

Castrads®

Declaration of Performance

No. 202009-1091-US

Grace 6 Column 26in

Unique product code:	CI-G6C-660
Type, batch or serial number:	CI-G6C-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. 202009-1091-US: Dimensions and thermal outputs

Panel dimensions: 25.6 in (650 mm) high when floor standing, 10 in (255 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-G6C-660-03	3	8.3	1,452	2,347	9.6	2.113	1.3141
CI-G6C-660-04	4	10.7	1,936	3,129	12.8	2.817	1.3141
CI-G6C-660-05	5	13.1	2,420	3,911	16.0	3.521	1.3141
CI-G6C-660-06	6	15.5	2,904	4,694	19.2	4.225	1.3141
CI-G6C-660-07	7	17.9	3,388	5,476	22.4	4.930	1.3141
CI-G6C-660-08	8	20.2	3,871	6,258	25.6	5.634	1.3141
CI-G6C-660-09	9	22.6	4,355	7,040	28.8	6.338	1.3141
CI-G6C-660-10	10	25	4,839	7,823	32.0	7.042	1.3141
CI-G6C-660-11	11	27.4	5,323	8,605	35.2	7.747	1.3141
CI-G6C-660-12	12	29.8	5,807	9,387	38.4	8.451	1.3141
CI-G6C-660-13	13	32.2	6,291	10,170	41.6	9.155	1.3141
CI-G6C-660-14	14	34.5	6,775	10,952	44.8	9.859	1.3141
CI-G6C-660-15	15	36.9	7,259	11,734	48.0	10.563	1.3141
CI-G6C-660-16	16	39.3	7,743	12,516	51.2	11.268	1.3141
CI-G6C-660-17	17	41.7	8,227	13,299	54.4	11.972	1.3141
CI-G6C-660-18	18	44.1	8,711	14,081	57.6	12.676	1.3141
CI-G6C-660-19	19	46.5	9,195	14,863	60.8	13.380	1.3141
CI-G6C-660-20	20	48.8	9,679	15,646	64.0	14.085	1.3141
CI-G6C-660-21	21	51.2	10,163	16,428	67.2	14.789	1.3141
CI-G6C-660-22	22	53.6	10,647	17,210	70.4	15.493	1.3141
CI-G6C-660-23	23	56	11,131	17,992	73.6	16.197	1.3141
CI-G6C-660-24	24	58.3	11,614	18,775	76.8	16.902	1.3141
CI-G6C-660-25	25	60.7	12,098	19,557	80.0	17.606	1.3141
CI-G6C-660-26	26	63.1	12,582	20,339	83.2	18.310	1.3141
CI-G6C-660-27	27	65.5	13,066	21,121	86.4	19.014	1.3141
CI-G6C-660-28	28	67.9	13,550	21,904	89.6	19.718	1.3141
CI-G6C-660-29	29	70.3	14,034	22,686	92.8	20.423	1.3141
CI-G6C-660-30	30	72.6	14,518	23,468	96.0	21.127	1.3141
CI-G6C-660-31	31	75	15,002	24,251	99.2	21.831	1.3141
CI-G6C-660-32	32	77.4	15,486	25,033	102.4	22.535	1.3141
CI-G6C-660-33	33	79.8	15,970	25,815	105.6	23.240	1.3141
CI-G6C-660-34	34	82.2	16,454	26,597	108.8	23.944	1.3141
CI-G6C-660-35	35	84.6	16,938	27,380	112.0	24.648	1.3141
CI-G6C-660-36	36	86.9	17,422	28,162	115.2	25.352	1.3141
CI-G6C-660-37	37	89.3	17,906	28,944	118.4	26.057	1.3141
CI-G6C-660-38	38	91.7	18,390	29,726	121.7	26.761	1.3141
CI-G6C-660-39	39	94.1	18,874	30,509	124.9	27.465	1.3141
CI-G6C-660-40	40	96.5	19,357	31,291	128.1	28.169	1.3141

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.