Declaration of Performance

No. 202009-1093-US

Grace 6 Column 38in

Unique product code:	CI-G6C-960
Type, batch or serial number:	CI-G6C-960
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	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
8th October 2026

Castrads®

Appendix to DoP No. 202009-1093-US: Dimensions and thermal outputs

Panel dimensions: 37.4 in (950 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-960-03	3	8.3	2,115	3,450	14.1	2.791	1.3384
CI-G6C-960-04	4	10.7	2,820	4,600	18.8	3.721	1.3384
CI-G6C-960-05	5	13.1	3,526	5,750	23.5	4.651	1.3384
CI-G6C-960-06	6	15.5	4,231	6,900	28.2	5.581	1.3384
CI-G6C-960-07	7	17.9	4,936	8,050	32.9	6.511	1.3384
CI-G6C-960-08	8	20.2	5,641	9,200	37.6	7.442	1.3384
CI-G6C-960-09	9	22.6	6,346	10,350	42.3	8.372	1.3384
CI-G6C-960-10	10	25	7,051	11,500	47.0	9.302	1.3384
CI-G6C-960-11	11	27.4	7,756	12,650	51.7	10.232	1.3384
CI-G6C-960-12	12	29.8	8,461	13,800	56.5	11.162	1.3384
CI-G6C-960-13	13	32.2	9,166	14,950	61.2	12.093	1.3384
CI-G6C-960-14	14	34.5	9,872	16,099	65.9	13.023	1.3384
CI-G6C-960-15	15	36.9	10,577	17,249	70.6	13.953	1.3384
CI-G6C-960-16	16	39.3	11,282	18,399	75.3	14.883	1.3384
CI-G6C-960-17	17	41.7	11,987	19,549	80.0	15.813	1.3384
CI-G6C-960-18	18	44.1	12,692	20,699	84.7	16.744	1.3384
CI-G6C-960-19	19	46.5	13,397	21,849	89.4	17.674	1.3384
CI-G6C-960-20	20	48.8	14,102	22,999	94.1	18.604	1.3384
CI-G6C-960-21	21	51.2	14,807	24,149	98.8	19.534	1.3384
CI-G6C-960-22	22	53.6	15,512	25,299	103.5	20.464	1.3384
CI-G6C-960-23	23	56	16,218	26,449	108.2	21.395	1.3384
CI-G6C-960-24	24	58.3	16,923	27,599	112.9	22.325	1.3384
CI-G6C-960-25	25	60.7	17,628	28,749	117.6	23.255	1.3384
CI-G6C-960-26	26	63.1	18,333	29,899	122.3	24.185	1.3384
CI-G6C-960-27	27	65.5	19,038	31,049	127.0	25.115	1.3384
CI-G6C-960-28	28	67.9	19,743	32,199	131.7	26.046	1.3384
CI-G6C-960-29	29	70.3	20,448	33,349	136.4	26.976	1.3384
CI-G6C-960-30	30	72.6	21,153	34,499	141.1	27.906	1.3384
CI-G6C-960-31	31	75	21,858	35,649	145.8	28.836	1.3384
CI-G6C-960-32	32	77.4	22,564	36,799	150.5	29.766	1.3384
CI-G6C-960-33	33	79.8	23,269	37,949	155.2	30.697	1.3384
CI-G6C-960-34	34	82.2	23,974	39,099	160.0	31.627	1.3384
CI-G6C-960-35	35	84.6	24,679	40,249	164.7	32.557	1.3384
CI-G6C-960-36	36	86.9	25,384	41,399	169.4	33.487	1.3384
CI-G6C-960-37	37	89.3	26,089	42,549	174.1	34.417	1.3384
CI-G6C-960-38	38	91.7	26,794	43,699	178.8	35.348	1.3384
CI-G6C-960-39	39	94.1	27,499	44,849	183.5	36.278	1.3384
CI-G6C-960-40	40	96.5	28,204	45,999	188.2	37.208	1.3384

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.