

Castrads®

Declaration of Performance

No. 202009-1088-US

Grace 4 Column 30in

Unique product code:	CI-G4C-760
Type, batch or serial number:	CI-G4C-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:	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. 202009-1088-US: Dimensions and thermal outputs

Panel dimensions: 29.5 in (750 mm) high when floor standing, 6.9 in (175 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-G4C-760-03	3	8.3	1,168	1,862	7.6	1.974	1.2770
CI-G4C-760-04	4	10.7	1,557	2,483	10.2	2.632	1.2770
CI-G4C-760-05	5	13.1	1,946	3,104	12.7	3.290	1.2770
CI-G4C-760-06	6	15.5	2,336	3,725	15.3	3.948	1.2770
CI-G4C-760-07	7	17.9	2,725	4,345	17.8	4.606	1.2770
CI-G4C-760-08	8	20.2	3,114	4,966	20.3	5.264	1.2770
CI-G4C-760-09	9	22.6	3,503	5,587	22.9	5.922	1.2770
CI-G4C-760-10	10	25	3,893	6,208	25.4	6.580	1.2770
CI-G4C-760-11	11	27.4	4,282	6,829	28.0	7.238	1.2770
CI-G4C-760-12	12	29.8	4,671	7,449	30.5	7.896	1.2770
CI-G4C-760-13	13	32.2	5,061	8,070	33.0	8.554	1.2770
CI-G4C-760-14	14	34.5	5,450	8,691	35.6	9.212	1.2770
CI-G4C-760-15	15	36.9	5,839	9,312	38.1	9.870	1.2770
CI-G4C-760-16	16	39.3	6,228	9,932	40.7	10.528	1.2770
CI-G4C-760-17	17	41.7	6,618	10,553	43.2	11.186	1.2770
CI-G4C-760-18	18	44.1	7,007	11,174	45.8	11.844	1.2770
CI-G4C-760-19	19	46.5	7,396	11,795	48.3	12.502	1.2770
CI-G4C-760-20	20	48.8	7,785	12,415	50.8	13.160	1.2770
CI-G4C-760-21	21	51.2	8,175	13,036	53.4	13.818	1.2770
CI-G4C-760-22	22	53.6	8,564	13,657	55.9	14.476	1.2770
CI-G4C-760-23	23	56	8,953	14,278	58.5	15.134	1.2770
CI-G4C-760-24	24	58.3	9,343	14,899	61.0	15.792	1.2770
CI-G4C-760-25	25	60.7	9,732	15,519	63.5	16.450	1.2770
CI-G4C-760-26	26	63.1	10,121	16,140	66.1	17.108	1.2770
CI-G4C-760-27	27	65.5	10,510	16,761	68.6	17.766	1.2770
CI-G4C-760-28	28	67.9	10,900	17,382	71.2	18.424	1.2770
CI-G4C-760-29	29	70.3	11,289	18,002	73.7	19.082	1.2770
CI-G4C-760-30	30	72.6	11,678	18,623	76.3	19.740	1.2770
CI-G4C-760-31	31	75	12,067	19,244	78.8	20.398	1.2770
CI-G4C-760-32	32	77.4	12,457	19,865	81.3	21.056	1.2770
CI-G4C-760-33	33	79.8	12,846	20,486	83.9	21.714	1.2770
CI-G4C-760-34	34	82.2	13,235	21,106	86.4	22.372	1.2770
CI-G4C-760-35	35	84.6	13,624	21,727	89.0	23.030	1.2770
CI-G4C-760-36	36	86.9	14,014	22,348	91.5	23.688	1.2770
CI-G4C-760-37	37	89.3	14,403	22,969	94.0	24.346	1.2770
CI-G4C-760-38	38	91.7	14,792	23,589	96.6	25.004	1.2770
CI-G4C-760-39	39	94.1	15,182	24,210	99.1	25.662	1.2770
CI-G4C-760-40	40	96.5	15,571	24,831	101.7	26.320	1.2770

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.