

Castrads®

Declaration of Performance

No. 202009-1087-US

Grace 4 Column 26in

Unique product code:	CI-G4C-660
Type, batch or serial number:	CI-G4C-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. 202009-1087-US: Dimensions and thermal outputs

Panel dimensions: 25.6 in (650 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-660-03	3	8.3	1,022	1,616	6.6	1.894	1.2541
CI-G4C-660-04	4	10.7	1,362	2,154	8.8	2.526	1.2541
CI-G4C-660-05	5	13.1	1,703	2,693	11.0	3.157	1.2541
CI-G4C-660-06	6	15.5	2,043	3,231	13.2	3.788	1.2541
CI-G4C-660-07	7	17.9	2,384	3,770	15.4	4.420	1.2541
CI-G4C-660-08	8	20.2	2,724	4,308	17.6	5.051	1.2541
CI-G4C-660-09	9	22.6	3,065	4,847	19.9	5.683	1.2541
CI-G4C-660-10	10	25	3,405	5,385	22.1	6.314	1.2541
CI-G4C-660-11	11	27.4	3,746	5,924	24.3	6.945	1.2541
CI-G4C-660-12	12	29.8	4,087	6,463	26.5	7.577	1.2541
CI-G4C-660-13	13	32.2	4,427	7,001	28.7	8.208	1.2541
CI-G4C-660-14	14	34.5	4,768	7,540	30.9	8.839	1.2541
CI-G4C-660-15	15	36.9	5,108	8,078	33.1	9.471	1.2541
CI-G4C-660-16	16	39.3	5,449	8,617	35.3	10.102	1.2541
CI-G4C-660-17	17	41.7	5,789	9,155	37.5	10.734	1.2541
CI-G4C-660-18	18	44.1	6,130	9,694	39.7	11.365	1.2541
CI-G4C-660-19	19	46.5	6,470	10,232	41.9	11.996	1.2541
CI-G4C-660-20	20	48.8	6,811	10,771	44.1	12.628	1.2541
CI-G4C-660-21	21	51.2	7,151	11,309	46.3	13.259	1.2541
CI-G4C-660-22	22	53.6	7,492	11,848	48.5	13.891	1.2541
CI-G4C-660-23	23	56	7,833	12,386	50.7	14.522	1.2541
CI-G4C-660-24	24	58.3	8,173	12,925	52.9	15.153	1.2541
CI-G4C-660-25	25	60.7	8,514	13,464	55.1	15.785	1.2541
CI-G4C-660-26	26	63.1	8,854	14,002	57.3	16.416	1.2541
CI-G4C-660-27	27	65.5	9,195	14,541	59.6	17.048	1.2541
CI-G4C-660-28	28	67.9	9,535	15,079	61.8	17.679	1.2541
CI-G4C-660-29	29	70.3	9,876	15,618	64.0	18.310	1.2541
CI-G4C-660-30	30	72.6	10,216	16,156	66.2	18.942	1.2541
CI-G4C-660-31	31	75	10,557	16,695	68.4	19.573	1.2541
CI-G4C-660-32	32	77.4	10,897	17,233	70.6	20.204	1.2541
CI-G4C-660-33	33	79.8	11,238	17,772	72.8	20.836	1.2541
CI-G4C-660-34	34	82.2	11,578	18,310	75.0	21.467	1.2541
CI-G4C-660-35	35	84.6	11,919	18,849	77.2	22.099	1.2541
CI-G4C-660-36	36	86.9	12,260	19,388	79.4	22.730	1.2541
CI-G4C-660-37	37	89.3	12,600	19,926	81.6	23.361	1.2541
CI-G4C-660-38	38	91.7	12,941	20,465	83.8	23.993	1.2541
CI-G4C-660-39	39	94.1	13,281	21,003	86.0	24.624	1.2541
CI-G4C-660-40	40	96.5	13,622	21,542	88.2	25.256	1.2541

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.