Declaration of Performance

No. 202009-1086

Grace 4 Column 500mm

Unique product code:	CI-G4C-500
Type, batch or serial number:	CI-G4C-500
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA
Test report number:	101885/2

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 x maximum operating pressure [kPa]	
Surface temperature	Maximum 120°C	
Resistance to pressure	No breakage at 1.69 x maximum operating pressure [kPa] Maximum operating pressure: 1000 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \bullet \Delta T^n$. See appendix for factor Km and exponent n	
Resistance against corrosion	No corrosion after 100h humidity	
Resistance against minor impact:	Class 0	

Signed for and on behalf of the manufacturer by:
Nicholas Baylis
CEO
Stockport, England
24th November 2026



Castrads®

Appendix to DOP No. 202009-1086: Dimensions and thermal outputs

Panel dimensions: 500mm high when floor standing, 175mm deep for all numbers of sections. See table for length.

SKU	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	Factor, Km	Exponent, n
CI-G4C-500-03	3	212	194	103	1.493	1.2445
CI-G4C-500-04	4	272	259	137	1.991	1.2445
CI-G4C-500-05	5	333	324	171	2.488	1.2445
CI-G4C-500-06	6	393	389	206	2.986	1.2445
CI-G4C-500-07	7	454	453	240	3.484	1.2445
CI-G4C-500-08	8	514	518	274	3.982	1.2445
CI-G4C-500-09	9	575	583	309	4.479	1.2445
CI-G4C-500-10	10	635	648	343	4.977	1.2445
CI-G4C-500-11	11	696	712	377	5.475	1.2445
CI-G4C-500-12	12	756	777	412	5.972	1.2445
CI-G4C-500-13	13	817	842	446	6.470	1.2445
CI-G4C-500-14	14	877	907	480	6.968	1.2445
CI-G4C-500-15	15	938	971	514	7.465	1.2445
CI-G4C-500-16	16	998	1036	549	7.963	1.2445
CI-G4C-500-17	17	1059	1101	583	8.461	1.2445
CI-G4C-500-18	18	1119	1166	617	8.958	1.2445
CI-G4C-500-19	19	1180	1230	652	9.456	1.2445
CI-G4C-500-20	20	1240	1295	686	9.954	1.2445
CI-G4C-500-21	21	1301	1360	720	10.451	1.2445
CI-G4C-500-22	22	1361	1425	754	10.949	1.2445
CI-G4C-500-23	23	1422	1490	789	11.447	1.2445
CI-G4C-500-24	24	1482	1554	823	11.945	1.2445
CI-G4C-500-25	25	1543	1619	857	12.442	1.2445
CI-G4C-500-26	26	1603	1684	892	12.940	1.2445
CI-G4C-500-27	27	1664	1749	926	13.438	1.2445
CI-G4C-500-28	28	1724	1813	960	13.935	1.2445
CI-G4C-500-29	29	1785	1878	995	14.433	1.2445
CI-G4C-500-30	30	1845	1943	1029	14.931	1.2445
CI-G4C-500-31	31	1906	2008	1063	15.428	1.2445
CI-G4C-500-32	32	1966	2072	1097	15.926	1.2445
CI-G4C-500-33	33	2027	2137	1132	16.424	1.2445
CI-G4C-500-34	34	2087	2202	1166	16.921	1.2445
CI-G4C-500-35	35	2148	2267	1200	17.419	1.2445
CI-G4C-500-36	36	2208	2331	1235	17.917	1.2445
CI-G4C-500-37	37	2269	2396	1269	18.415	1.2445
CI-G4C-500-38	38	2329	2461	1303	18.912	1.2445
CI-G4C-500-39	39	2390	2526	1338	19.410	1.2445
CI-G4C-500-40	40	2450	2591	1372	19.908	1.2445