



Declaration of Performance

No. 202009-1088

Grace 4 Column 760mm

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 Limited 1 Kenwood Road Stockport SK5 6PH United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire RG12 7AH United Kingdom
Test report number:	101885/2

Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	
Resistance to pressure	Maximum operating pressure: 1000 [kPa]	
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	

Appendix: Dimensions and thermal outputs

Panel dimensions: 760mm h, 170.2mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W $\Delta T50$	Output, W $\Delta T30$	Factor, Km	Exponent, n
CI-G4C-760/03	3	212	307	159	1.948	1.29370
CI-G4C-760/04	4	272	410	212	2.597	1.29370
CI-G4C-760/05	5	333	512	265	3.246	1.29370
CI-G4C-760/06	6	393	614	317	3.895	1.29370
CI-G4C-760/07	7	454	717	370	4.544	1.29370
CI-G4C-760/08	8	514	819	423	5.194	1.29370
CI-G4C-760/09	9	575	922	476	5.843	1.29370
CI-G4C-760/10	10	635	1024	529	6.492	1.29370
CI-G4C-760/11	11	696	1126	582	7.141	1.29370
CI-G4C-760/12	12	756	1229	635	7.790	1.29370
CI-G4C-760/13	13	817	1331	688	8.439	1.29370
CI-G4C-760/14	14	877	1434	741	9.089	1.29370
CI-G4C-760/15	15	938	1536	794	9.738	1.29370
CI-G4C-760/16	16	998	1638	846	10.387	1.29370
CI-G4C-760/17	17	1059	1741	899	11.036	1.29370
CI-G4C-760/18	18	1119	1843	952	11.685	1.29370
CI-G4C-760/19	19	1180	1946	1005	12.335	1.29370
CI-G4C-760/20	20	1240	2048	1058	12.984	1.29370
CI-G4C-760/21	21	1301	2150	1111	13.633	1.29370
CI-G4C-760/22	22	1361	2253	1164	14.282	1.29370
CI-G4C-760/23	23	1422	2355	1217	14.931	1.29370
CI-G4C-760/24	24	1482	2458	1270	15.581	1.29370
CI-G4C-760/25	25	1543	2560	1323	16.230	1.29370
CI-G4C-760/26	26	1603	2662	1375	16.879	1.29370
CI-G4C-760/27	27	1664	2765	1428	17.528	1.29370
CI-G4C-760/28	28	1724	2867	1481	18.177	1.29370
CI-G4C-760/29	29	1785	2970	1534	18.827	1.29370
CI-G4C-760/30	30	1845	3072	1587	19.476	1.29370
CI-G4C-760/31	31	1906	3174	1640	20.125	1.29370
CI-G4C-760/32	32	1966	3277	1693	20.774	1.29370
CI-G4C-760/33	33	2027	3379	1746	21.423	1.29370
CI-G4C-760/34	34	2087	3482	1799	22.072	1.29370
CI-G4C-760/35	35	2148	3584	1852	22.722	1.29370
CI-G4C-760/36	36	2208	3686	1904	23.371	1.29370
CI-G4C-760/37	37	2269	3789	1957	24.020	1.29370
CI-G4C-760/38	38	2329	3891	2010	24.669	1.29370
CI-G4C-760/39	39	2390	3994	2063	25.318	1.29370
CI-G4C-760/40	40	2450	4096	2116	25.968	1.29370

DOP No. 202009-1088