



Declaration of Performance

No. 202009-1092

Grace 6 Column 760mm

Unique product code:	CI-G6C-760
Type, batch or serial number:	CI-G6C-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: 751mm h, 250.8mm 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-G6C-760/03	3	212	424	214	2.278	1.33580
CI-G6C-760/04	4	272	565	286	3.037	1.33580
CI-G6C-760/05	5	333	707	357	3.796	1.33580
CI-G6C-760/06	6	393	848	428	4.556	1.33580
CI-G6C-760/07	7	454	989	500	5.315	1.33580
CI-G6C-760/08	8	514	1130	571	6.074	1.33580
CI-G6C-760/09	9	575	1272	643	6.833	1.33580
CI-G6C-760/10	10	635	1413	714	7.593	1.33580
CI-G6C-760/11	11	696	1554	785	8.352	1.33580
CI-G6C-760/12	12	756	1696	857	9.111	1.33580
CI-G6C-760/13	13	817	1837	928	9.870	1.33580
CI-G6C-760/14	14	877	1978	1000	10.630	1.33580
CI-G6C-760/15	15	938	2120	1071	11.389	1.33580
CI-G6C-760/16	16	998	2261	1142	12.148	1.33580
CI-G6C-760/17	17	1059	2402	1214	12.907	1.33580
CI-G6C-760/18	18	1119	2543	1285	13.667	1.33580
CI-G6C-760/19	19	1180	2685	1357	14.426	1.33580
CI-G6C-760/20	20	1240	2826	1428	15.185	1.33580
CI-G6C-760/21	21	1301	2967	1499	15.944	1.33580
CI-G6C-760/22	22	1361	3109	1571	16.704	1.33580
CI-G6C-760/23	23	1422	3250	1642	17.463	1.33580
CI-G6C-760/24	24	1482	3391	1714	18.222	1.33580
CI-G6C-760/25	25	1543	3533	1785	18.982	1.33580
CI-G6C-760/26	26	1603	3674	1856	19.741	1.33580
CI-G6C-760/27	27	1664	3815	1928	20.500	1.33580
CI-G6C-760/28	28	1724	3956	1999	21.259	1.33580
CI-G6C-760/29	29	1785	4098	2071	22.019	1.33580
CI-G6C-760/30	30	1845	4239	2142	22.778	1.33580
CI-G6C-760/31	31	1906	4380	2213	23.537	1.33580
CI-G6C-760/32	32	1966	4522	2285	24.296	1.33580
CI-G6C-760/33	33	2027	4663	2356	25.056	1.33580
CI-G6C-760/34	34	2087	4804	2428	25.815	1.33580
CI-G6C-760/35	35	2148	4946	2499	26.574	1.33580
CI-G6C-760/36	36	2208	5087	2570	27.333	1.33580
CI-G6C-760/37	37	2269	5228	2642	28.093	1.33580
CI-G6C-760/38	38	2329	5369	2713	28.852	1.33580
CI-G6C-760/39	39	2390	5511	2785	29.611	1.33580
CI-G6C-760/40	40	2450	5652	2856	30.370	1.33580

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