Castrads
Est. 2006
Custom Radiators, Unique Homes

Declaration of Performance

No. 202009-1090

Grace 6 Column 485mm

Unique product code:	CI/G6C/485
Type, batch or serial number:	CI/G6C/485
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] Maximum operating pressure: 1000 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = Km \cdot \Delta T^n$. See appendix for factor Km and exponent n	
Resistance against corrosion:	No corrosion after 100h humidity	
Resistance against minor impact:	Class 0	

Appendix: Dimensions and thermal outputs

Dimensions: 485mm h, 254mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W ΔT50	Output, W ΔT30	Factor, Km	Exponent, n
CI/G6C/485/03	3	212	266	139	1.854	1.2698
CI/G6C/485/04	4	272	355	186	2.472	1.2698
CI/G6C/485/05	5	333	444	232	3.090	1.2698
CI/G6C/485/06	6	393	533	278	3.708	1.2698
CI/G6C/485/07	7	454	622	325	4.326	1.2698
CI/G6C/485/08	8	514	710	371	4.944	1.2698
CI/G6C/485/09	9	575	799	418	5.563	1.2698
CI/G6C/485/10	10	635	888	464	6.181	1.2698
CI/G6C/485/11	11	696	977	510	6.799	1.2698
CI/G6C/485/12	12	756	1066	557	7.417	1.2698
CI/G6C/485/13	13	817	1154	603	8.035	1.2698
CI/G6C/485/14	14	877	1243	650	8.653	1.2698
CI/G6C/485/15	15	938	1332	696	9.271	1.2698
CI/G6C/485/16	16	998	1421	742	9.889	1.2698
CI/G6C/485/17	17	1059	1510	789	10.507	1.2698
CI/G6C/485/18	18	1119	1598	835	11.125	1.2698
CI/G6C/485/19	19	1180	1687	882	11.743	1.2698
CI/G6C/485/20	20	1240	1776	928	12.361	1.2698
CI/G6C/485/21	21	1301	1865	974	12.979	1.2698
CI/G6C/485/22	22	1361	1954	1021	13.597	1.2698
CI/G6C/485/23	23	1422	2042	1067	14.215	1.2698
CI/G6C/485/24	24	1482	2131	1114	14.833	1.2698
CI/G6C/485/25	25	1543	2220	1160	15.452	1.2698
CI/G6C/485/26	26	1603	2309	1206	16.070	1.2698
CI/G6C/485/27	27	1664	2398	1253	16.688	1.2698
CI/G6C/485/28	28	1724	2486	1299	17.306	1.2698
CI/G6C/485/29	29	1785	2575	1346	17.924	1.2698
CI/G6C/485/30	30	1845	2664	1392	18.542	1.2698
CI/G6C/485/31	31	1906	2753	1438	19.160	1.2698
CI/G6C/485/32	32	1966	2842	1485	19.778	1.2698
CI/G6C/485/33	33	2027	2930	1531	20.396	1.2698
CI/G6C/485/34	34	2087	3019	1578	21.014	1.2698
CI/G6C/485/35	35	2148	3108	1624	21.632	1.2698
CI/G6C/485/36	36	2208	3197	1670	22.250	1.2698
CI/G6C/485/37	37	2269	3286	1717	22.868	1.2698
CI/G6C/485/38	38	2329	3374	1763	23.486	1.2698
CI/G6C/485/39	39	2390	3463	1810	24.104	1.2698
CI/G6C/485/40	40	2450	3552	1856	24.722	1.2698

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