

 **Castrads**[®]
Declaration of Performance

No. 202009-1019

Florence 2 Column 765mm

Unique product code:	SMC-F2C-767
Type, batch or serial number:	SMC-F2C-767
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:	Politecnico di Milano
Test report number:	ENE/MRT.RES.01003_A

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
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]	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	

Signed for and on behalf of the manufacturer by:

Nicholas Baylis
CEO
Stockport, England
24th June 2026





Appendix to DOP No. 202009-1019: Dimensions and thermal outputs

Panel dimensions: 867mm high when floor standing, 67mm 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
SMC-F2C-767-03	3	165	162	84	1.099	1.2756
SMC-F2C-767-04	4	210	215	112	1.466	1.2756
SMC-F2C-767-05	5	255	269	140	1.832	1.2756
SMC-F2C-767-06	6	300	323	168	2.199	1.2756
SMC-F2C-767-07	7	345	377	196	2.565	1.2756
SMC-F2C-767-08	8	390	431	225	2.931	1.2756
SMC-F2C-767-09	9	435	485	253	3.298	1.2756
SMC-F2C-767-10	10	480	539	281	3.664	1.2756
SMC-F2C-767-11	11	525	592	309	4.031	1.2756
SMC-F2C-767-12	12	570	646	337	4.397	1.2756
SMC-F2C-767-13	13	615	700	365	4.763	1.2756
SMC-F2C-767-14	14	660	754	393	5.130	1.2756
SMC-F2C-767-15	15	705	808	421	5.496	1.2756
SMC-F2C-767-16	16	750	862	449	5.863	1.2756
SMC-F2C-767-17	17	795	916	477	6.229	1.2756
SMC-F2C-767-18	18	840	969	505	6.596	1.2756
SMC-F2C-767-19	19	885	1023	533	6.962	1.2756
SMC-F2C-767-20	20	930	1077	561	7.328	1.2756
SMC-F2C-767-21	21	975	1131	589	7.695	1.2756
SMC-F2C-767-22	22	1020	1185	618	8.061	1.2756
SMC-F2C-767-23	23	1065	1239	646	8.428	1.2756
SMC-F2C-767-24	24	1110	1293	674	8.794	1.2756
SMC-F2C-767-25	25	1155	1346	702	9.161	1.2756
SMC-F2C-767-26	26	1200	1400	730	9.527	1.2756
SMC-F2C-767-27	27	1245	1454	758	9.893	1.2756
SMC-F2C-767-28	28	1290	1508	786	10.260	1.2756
SMC-F2C-767-29	29	1335	1562	814	10.626	1.2756
SMC-F2C-767-30	30	1380	1616	842	10.993	1.2756
SMC-F2C-767-31	31	1425	1670	870	11.359	1.2756
SMC-F2C-767-32	32	1470	1723	898	11.725	1.2756
SMC-F2C-767-33	33	1515	1777	926	12.092	1.2756
SMC-F2C-767-34	34	1560	1831	954	12.458	1.2756
SMC-F2C-767-35	35	1605	1885	982	12.825	1.2756
SMC-F2C-767-36	36	1650	1939	1011	13.191	1.2756
SMC-F2C-767-37	37	1695	1993	1039	13.558	1.2756
SMC-F2C-767-38	38	1740	2047	1067	13.924	1.2756
SMC-F2C-767-39	39	1785	2100	1095	14.290	1.2756
SMC-F2C-767-40	40	1830	2154	1123	14.657	1.2756