Declaration of Performance

No. 202009-1064

Florence 5 Column 765mm

Unique product code:	SMC-F5C-767
Type, batch or serial number:	SMC-F5C-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_C

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
20th September 2026

Castrads®

Appendix to DOP No. 202009-1064: Dimensions and thermal outputs

Panel dimensions: 867mm high when floor standing, 179mm 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-F5C-767-03	3	165	358	180	1.835	1.3483
SMC-F5C-767-04	4	210	478	240	2.447	1.3483
SMC-F5C-767-05	5	255	597	300	3.059	1.3483
SMC-F5C-767-06	6	300	717	360	3.670	1.3483
SMC-F5C-767-07	7	345	836	420	4.282	1.3483
SMC-F5C-767-08	8	390	956	480	4.894	1.3483
SMC-F5C-767-09	9	435	1075	540	5.506	1.3483
SMC-F5C-767-10	10	480	1195	600	6.117	1.3483
SMC-F5C-767-11	11	525	1314	660	6.729	1.3483
SMC-F5C-767-12	12	570	1434	720	7.341	1.3483
SMC-F5C-767-13	13	615	1553	780	7.952	1.3483
SMC-F5C-767-14	14	660	1673	840	8.564	1.3483
SMC-F5C-767-15	15	705	1792	900	9.176	1.3483
SMC-F5C-767-16	16	750	1912	960	9.788	1.3483
SMC-F5C-767-17	17	795	2031	1020	10.399	1.3483
SMC-F5C-767-18	18	840	2151	1080	11.011	1.3483
SMC-F5C-767-19	19	885	2270	1140	11.623	1.3483
SMC-F5C-767-20	20	930	2390	1200	12.235	1.3483
SMC-F5C-767-21	21	975	2509	1260	12.846	1.3483
SMC-F5C-767-22	22	1020	2629	1320	13.458	1.3483
SMC-F5C-767-23	23	1065	2748	1380	14.070	1.3483
SMC-F5C-767-24	24	1110	2868	1440	14.682	1.3483
SMC-F5C-767-25	25	1155	2987	1500	15.293	1.3483
SMC-F5C-767-26	26	1200	3107	1560	15.905	1.3483
SMC-F5C-767-27	27	1245	3226	1620	16.517	1.3483
SMC-F5C-767-28	28	1290	3345	1680	17.128	1.3483
SMC-F5C-767-29	29	1335	3465	1740	17.740	1.3483
SMC-F5C-767-30	30	1380	3584	1800	18.352	1.3483
SMC-F5C-767-31	31	1425	3704	1860	18.964	1.3483
SMC-F5C-767-32	32	1470	3823	1920	19.575	1.3483
SMC-F5C-767-33	33	1515	3943	1980	20.187	1.3483
SMC-F5C-767-34	34	1560	4062	2040	20.799	1.3483
SMC-F5C-767-35	35	1605	4182	2100	21.411	1.3483
SMC-F5C-767-36	36	1650	4301	2160	22.022	1.3483
SMC-F5C-767-37	37	1695	4421	2220	22.634	1.3483
SMC-F5C-767-38	38	1740	4540	2280	23.246	1.3483
SMC-F5C-767-39	39	1785	4660	2340	23.857	1.3483
SMC-F5C-767-40	40	1830	4779	2400	24.469	1.3483