

 **Castrads**[®]
Declaration of Performance

No. 202009-1079

Florence 6 Column 765mm

Unique product code:	SMC-F6C-767
Type, batch or serial number:	SMC-F6C-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	
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
19th June 2026





Appendix to DOP No. 202009-1079: Dimensions and thermal outputs

Panel dimensions: 867mm high when floor standing, 217mm 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-F6C-767-03	3	165	421	209	1.959	1.3729
SMC-F6C-767-04	4	210	562	279	2.612	1.3729
SMC-F6C-767-05	5	255	702	348	3.265	1.3729
SMC-F6C-767-06	6	300	842	418	3.918	1.3729
SMC-F6C-767-07	7	345	983	487	4.570	1.3729
SMC-F6C-767-08	8	390	1123	557	5.223	1.3729
SMC-F6C-767-09	9	435	1264	627	5.876	1.3729
SMC-F6C-767-10	10	480	1404	696	6.529	1.3729
SMC-F6C-767-11	11	525	1544	766	7.182	1.3729
SMC-F6C-767-12	12	570	1685	836	7.835	1.3729
SMC-F6C-767-13	13	615	1825	905	8.488	1.3729
SMC-F6C-767-14	14	660	1966	975	9.141	1.3729
SMC-F6C-767-15	15	705	2106	1044	9.794	1.3729
SMC-F6C-767-16	16	750	2246	1114	10.447	1.3729
SMC-F6C-767-17	17	795	2387	1184	11.100	1.3729
SMC-F6C-767-18	18	840	2527	1253	11.753	1.3729
SMC-F6C-767-19	19	885	2668	1323	12.405	1.3729
SMC-F6C-767-20	20	930	2808	1393	13.058	1.3729
SMC-F6C-767-21	21	975	2948	1462	13.711	1.3729
SMC-F6C-767-22	22	1020	3089	1532	14.364	1.3729
SMC-F6C-767-23	23	1065	3229	1601	15.017	1.3729
SMC-F6C-767-24	24	1110	3370	1671	15.670	1.3729
SMC-F6C-767-25	25	1155	3510	1741	16.323	1.3729
SMC-F6C-767-26	26	1200	3650	1810	16.976	1.3729
SMC-F6C-767-27	27	1245	3791	1880	17.629	1.3729
SMC-F6C-767-28	28	1290	3931	1950	18.282	1.3729
SMC-F6C-767-29	29	1335	4072	2019	18.935	1.3729
SMC-F6C-767-30	30	1380	4212	2089	19.588	1.3729
SMC-F6C-767-31	31	1425	4352	2158	20.241	1.3729
SMC-F6C-767-32	32	1470	4493	2228	20.893	1.3729
SMC-F6C-767-33	33	1515	4633	2298	21.546	1.3729
SMC-F6C-767-34	34	1560	4774	2367	22.199	1.3729
SMC-F6C-767-35	35	1605	4914	2437	22.852	1.3729
SMC-F6C-767-36	36	1650	5054	2507	23.505	1.3729
SMC-F6C-767-37	37	1695	5195	2576	24.158	1.3729
SMC-F6C-767-38	38	1740	5335	2646	24.811	1.3729
SMC-F6C-767-39	39	1785	5475	2715	25.464	1.3729
SMC-F6C-767-40	40	1830	5616	2785	26.117	1.3729