Declaration of Performance

No. 202009-1065

Florence 5 Column 900mm

Unique product code:	SMC-F5C-902
Type, batch or serial number:	SMC-F5C-902
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
5th November 2026



Castrads®

Appendix to DOP No. 202009-1065: Dimensions and thermal outputs

Panel dimensions: 1002mm 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-902-03	3	165	415	206	1.958	1.3694
SMC-F5C-902-04	4	210	554	275	2.611	1.3694
SMC-F5C-902-05	5	255	692	344	3.264	1.3694
SMC-F5C-902-06	6	300	831	413	3.917	1.3694
SMC-F5C-902-07	7	345	969	482	4.569	1.3694
SMC-F5C-902-08	8	390	1108	550	5.222	1.3694
SMC-F5C-902-09	9	435	1246	619	5.875	1.3694
SMC-F5C-902-10	10	480	1385	688	6.528	1.3694
SMC-F5C-902-11	11	525	1523	757	7.180	1.3694
SMC-F5C-902-12	12	570	1662	826	7.833	1.3694
SMC-F5C-902-13	13	615	1800	894	8.486	1.3694
SMC-F5C-902-14	14	660	1939	963	9.139	1.3694
SMC-F5C-902-15	15	705	2077	1032	9.791	1.3694
SMC-F5C-902-16	16	750	2216	1101	10.444	1.3694
SMC-F5C-902-17	17	795	2354	1170	11.097	1.3694
SMC-F5C-902-18	18	840	2493	1238	11.750	1.3694
SMC-F5C-902-19	19	885	2631	1307	12.402	1.3694
SMC-F5C-902-20	20	930	2770	1376	13.055	1.3694
SMC-F5C-902-21	21	975	2908	1445	13.708	1.3694
SMC-F5C-902-22	22	1020	3047	1514	14.361	1.3694
SMC-F5C-902-23	23	1065	3185	1582	15.013	1.3694
SMC-F5C-902-24	24	1110	3323	1651	15.666	1.3694
SMC-F5C-902-25	25	1155	3462	1720	16.319	1.3694
SMC-F5C-902-26	26	1200	3600	1789	16.972	1.3694
SMC-F5C-902-27	27	1245	3739	1858	17.624	1.3694
SMC-F5C-902-28	28	1290	3877	1926	18.277	1.3694
SMC-F5C-902-29	29	1335	4016	1995	18.930	1.3694
SMC-F5C-902-30	30	1380	4154	2064	19.583	1.3694
SMC-F5C-902-31	31	1425	4293	2133	20.235	1.3694
SMC-F5C-902-32	32	1470	4431	2202	20.888	1.3694
SMC-F5C-902-33	33	1515	4570	2270	21.541	1.3694
SMC-F5C-902-34	34	1560	4708	2339	22.194	1.3694
SMC-F5C-902-35	35	1605	4847	2408	22.846	1.3694
SMC-F5C-902-36	36	1650	4985	2477	23.499	1.3694
SMC-F5C-902-37	37	1695	5124	2546	24.152	1.3694
SMC-F5C-902-38	38	1740	5262	2614	24.805	1.3694
SMC-F5C-902-39	39	1785	5401	2683	25.457	1.3694
SMC-F5C-902-40	40	1830	5539	2752	26.110	1.3694