Declaration of Performance

No. 202009-1062

Florence 5 Column 600mm

Unique product code:	SMC-F5C-602
Type, batch or serial number:	SMC-F5C-602
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. 202009-1062: Dimensions and thermal outputs

Panel dimensions: 702mm 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-602-03	3	165	288	146	1.630	1.3225
SMC-F5C-602-04	4	210	384	195	2.173	1.3225
SMC-F5C-602-05	5	255	479	244	2.716	1.3225
SMC-F5C-602-06	6	300	575	293	3.259	1.3225
SMC-F5C-602-07	7	345	671	342	3.802	1.3225
SMC-F5C-602-08	8	390	767	390	4.345	1.3225
SMC-F5C-602-09	9	435	863	439	4.889	1.3225
SMC-F5C-602-10	10	480	959	488	5.432	1.3225
SMC-F5C-602-11	11	525	1055	537	5.975	1.3225
SMC-F5C-602-12	12	570	1151	586	6.518	1.3225
SMC-F5C-602-13	13	615	1247	634	7.061	1.3225
SMC-F5C-602-14	14	660	1343	683	7.604	1.3225
SMC-F5C-602-15	15	705	1438	732	8.148	1.3225
SMC-F5C-602-16	16	750	1534	781	8.691	1.3225
SMC-F5C-602-17	17	795	1630	830	9.234	1.3225
SMC-F5C-602-18	18	840	1726	878	9.777	1.3225
SMC-F5C-602-19	19	885	1822	927	10.320	1.3225
SMC-F5C-602-20	20	930	1918	976	10.863	1.3225
SMC-F5C-602-21	21	975	2014	1025	11.407	1.3225
SMC-F5C-602-22	22	1020	2110	1074	11.950	1.3225
SMC-F5C-602-23	23	1065	2206	1122	12.493	1.3225
SMC-F5C-602-24	24	1110	2301	1171	13.036	1.3225
SMC-F5C-602-25	25	1155	2397	1220	13.579	1.3225
SMC-F5C-602-26	26	1200	2493	1269	14.122	1.3225
SMC-F5C-602-27	27	1245	2589	1318	14.666	1.3225
SMC-F5C-602-28	28	1290	2685	1366	15.209	1.3225
SMC-F5C-602-29	29	1335	2781	1415	15.752	1.3225
SMC-F5C-602-30	30	1380	2877	1464	16.295	1.3225
SMC-F5C-602-31	31	1425	2973	1513	16.838	1.3225
SMC-F5C-602-32	32	1470	3069	1562	17.381	1.3225
SMC-F5C-602-33	33	1515	3164	1610	17.925	1.3225
SMC-F5C-602-34	34	1560	3260	1659	18.468	1.3225
SMC-F5C-602-35	35	1605	3356	1708	19.011	1.3225
SMC-F5C-602-36	36	1650	3452	1757	19.554	1.3225
SMC-F5C-602-37	37	1695	3548	1806	20.097	1.3225
SMC-F5C-602-38	38	1740	3644	1854	20.640	1.3225
SMC-F5C-602-39	39	1785	3740	1903	21.184	1.3225
SMC-F5C-602-40	40	1830	3836	1952	21.727	1.3225