Declaration of Performance

No. 202009-1024

Florence 3 Column 1800mm

Unique product code:	SMC-F3C-1802
Type, batch or serial number:	SMC-F3C-1802
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.ITPL.01004

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
3rd November 2026



Castrads®

Appendix to DOP No. 202009-1024: Dimensions and thermal outputs

Panel dimensions: 1902mm high when floor standing, 103mm 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-F3C-1802-03	3	165	507	258	2.840	1.3252
SMC-F3C-1802-04	4	210	676	343	3.787	1.3252
SMC-F3C-1802-05	5	255	845	429	4.733	1.3252
SMC-F3C-1802-06	6	300	1014	515	5.680	1.3252
SMC-F3C-1802-07	7	345	1182	601	6.627	1.3252
SMC-F3C-1802-08	8	390	1351	687	7.574	1.3252
SMC-F3C-1802-09	9	435	1520	773	8.520	1.3252
SMC-F3C-1802-10	10	480	1689	858	9.467	1.3252
SMC-F3C-1802-11	11	525	1858	944	10.414	1.3252
SMC-F3C-1802-12	12	570	2027	1030	11.360	1.3252
SMC-F3C-1802-13	13	615	2196	1116	12.307	1.3252
SMC-F3C-1802-14	14	660	2365	1202	13.254	1.3252
SMC-F3C-1802-15	15	705	2534	1288	14.200	1.3252
SMC-F3C-1802-16	16	750	2703	1373	15.147	1.3252
SMC-F3C-1802-17	17	795	2872	1459	16.094	1.3252
SMC-F3C-1802-18	18	840	3041	1545	17.040	1.3252
SMC-F3C-1802-19	19	885	3209	1631	17.987	1.3252
SMC-F3C-1802-20	20	930	3378	1717	18.934	1.3252
SMC-F3C-1802-21	21	975	3547	1803	19.880	1.3252
SMC-F3C-1802-22	22	1020	3716	1888	20.827	1.3252
SMC-F3C-1802-23	23	1065	3885	1974	21.774	1.3252
SMC-F3C-1802-24	24	1110	4054	2060	22.721	1.3252
SMC-F3C-1802-25	25	1155	4223	2146	23.667	1.3252
SMC-F3C-1802-26	26	1200	4392	2232	24.614	1.3252
SMC-F3C-1802-27	27	1245	4561	2318	25.561	1.3252
SMC-F3C-1802-28	28	1290	4730	2404	26.507	1.3252
SMC-F3C-1802-29	29	1335	4899	2489	27.454	1.3252
SMC-F3C-1802-30	30	1380	5068	2575	28.401	1.3252
SMC-F3C-1802-31	31	1425	5237	2661	29.347	1.3252
SMC-F3C-1802-32	32	1470	5405	2747	30.294	1.3252
SMC-F3C-1802-33	33	1515	5574	2833	31.241	1.3252
SMC-F3C-1802-34	34	1560	5743	2919	32.187	1.3252
SMC-F3C-1802-35	35	1605	5912	3004	33.134	1.3252
SMC-F3C-1802-36	36	1650	6081	3090	34.081	1.3252
SMC-F3C-1802-37	37	1695	6250	3176	35.028	1.3252
SMC-F3C-1802-38	38	1740	6419	3262	35.974	1.3252
SMC-F3C-1802-39	39	1785	6588	3348	36.921	1.3252
SMC-F3C-1802-40	40	1830	6757	3434	37.868	1.3252