Declaration of Performance

No. 202009-1027

Florence 3 Column 2200mm

Unique product code:	SMC-F3C-2202
Type, batch or serial number:	SMC-F3C-2202
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
2nd November 2026



Castrads®

Appendix to DOP No. 202009-1027: Dimensions and thermal outputs

Panel dimensions: 2302mm 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-2202-03	3	165	617	316	3.665	1.3103
SMC-F3C-2202-04	4	210	823	421	4.887	1.3103
SMC-F3C-2202-05	5	255	1028	527	6.108	1.3103
SMC-F3C-2202-06	6	300	1234	632	7.330	1.3103
SMC-F3C-2202-07	7	345	1440	737	8.552	1.3103
SMC-F3C-2202-08	8	390	1645	842	9.773	1.3103
SMC-F3C-2202-09	9	435	1851	948	10.995	1.3103
SMC-F3C-2202-10	10	480	2057	1053	12.217	1.3103
SMC-F3C-2202-11	11	525	2262	1158	13.438	1.3103
SMC-F3C-2202-12	12	570	2468	1264	14.660	1.3103
SMC-F3C-2202-13	13	615	2674	1369	15.881	1.3103
SMC-F3C-2202-14	14	660	2879	1474	17.103	1.3103
SMC-F3C-2202-15	15	705	3085	1580	18.325	1.3103
SMC-F3C-2202-16	16	750	3291	1685	19.546	1.3103
SMC-F3C-2202-17	17	795	3496	1790	20.768	1.3103
SMC-F3C-2202-18	18	840	3702	1896	21.990	1.3103
SMC-F3C-2202-19	19	885	3908	2001	23.211	1.3103
SMC-F3C-2202-20	20	930	4113	2106	24.433	1.3103
SMC-F3C-2202-21	21	975	4319	2211	25.655	1.3103
SMC-F3C-2202-22	22	1020	4525	2317	26.876	1.3103
SMC-F3C-2202-23	23	1065	4730	2422	28.098	1.3103
SMC-F3C-2202-24	24	1110	4936	2527	29.320	1.3103
SMC-F3C-2202-25	25	1155	5142	2633	30.541	1.3103
SMC-F3C-2202-26	26	1200	5347	2738	31.763	1.3103
SMC-F3C-2202-27	27	1245	5553	2843	32.985	1.3103
SMC-F3C-2202-28	28	1290	5759	2949	34.206	1.3103
SMC-F3C-2202-29	29	1335	5964	3054	35.428	1.3103
SMC-F3C-2202-30	30	1380	6170	3159	36.650	1.3103
SMC-F3C-2202-31	31	1425	6376	3265	37.871	1.3103
SMC-F3C-2202-32	32	1470	6581	3370	39.093	1.3103
SMC-F3C-2202-33	33	1515	6787	3475	40.314	1.3103
SMC-F3C-2202-34	34	1560	6993	3580	41.536	1.3103
SMC-F3C-2202-35	35	1605	7198	3686	42.758	1.3103
SMC-F3C-2202-36	36	1650	7404	3791	43.979	1.3103
SMC-F3C-2202-37	37	1695	7610	3896	45.201	1.3103
SMC-F3C-2202-38	38	1740	7815	4002	46.423	1.3103
SMC-F3C-2202-39	39	1785	8021	4107	47.644	1.3103
SMC-F3C-2202-40	40	1830	8227	4212	48.866	1.3103