Declaration of Performance

No. 202009-1028

Florence 3 Column 2500mm

Unique product code:	SMC-F3C-2502
Type, batch or serial number:	SMC-F3C-2502
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
17th November 2026



Castrads®

Appendix to DOP No. 202009-1028: Dimensions and thermal outputs

Panel dimensions: 2602mm 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-2502-03	3	165	701	361	4.351	1.2992
SMC-F3C-2502-04	4	210	935	481	5.801	1.2992
SMC-F3C-2502-05	5	255	1169	602	7.251	1.2992
SMC-F3C-2502-06	6	300	1402	722	8.701	1.2992
SMC-F3C-2502-07	7	345	1636	842	10.151	1.2992
SMC-F3C-2502-08	8	390	1870	963	11.602	1.2992
SMC-F3C-2502-09	9	435	2103	1083	13.052	1.2992
SMC-F3C-2502-10	10	480	2337	1204	14.502	1.2992
SMC-F3C-2502-11	11	525	2571	1324	15.952	1.2992
SMC-F3C-2502-12	12	570	2805	1444	17.402	1.2992
SMC-F3C-2502-13	13	615	3038	1565	18.852	1.2992
SMC-F3C-2502-14	14	660	3272	1685	20.303	1.2992
SMC-F3C-2502-15	15	705	3506	1805	21.753	1.2992
SMC-F3C-2502-16	16	750	3739	1926	23.203	1.2992
SMC-F3C-2502-17	17	795	3973	2046	24.653	1.2992
SMC-F3C-2502-18	18	840	4207	2166	26.103	1.2992
SMC-F3C-2502-19	19	885	4441	2287	27.554	1.2992
SMC-F3C-2502-20	20	930	4674	2407	29.004	1.2992
SMC-F3C-2502-21	21	975	4908	2527	30.454	1.2992
SMC-F3C-2502-22	22	1020	5142	2648	31.904	1.2992
SMC-F3C-2502-23	23	1065	5376	2768	33.354	1.2992
SMC-F3C-2502-24	24	1110	5609	2889	34.805	1.2992
SMC-F3C-2502-25	25	1155	5843	3009	36.255	1.2992
SMC-F3C-2502-26	26	1200	6077	3129	37.705	1.2992
SMC-F3C-2502-27	27	1245	6310	3250	39.155	1.2992
SMC-F3C-2502-28	28	1290	6544	3370	40.605	1.2992
SMC-F3C-2502-29	29	1335	6778	3490	42.056	1.2992
SMC-F3C-2502-30	30	1380	7012	3611	43.506	1.2992
SMC-F3C-2502-31	31	1425	7245	3731	44.956	1.2992
SMC-F3C-2502-32	32	1470	7479	3851	46.406	1.2992
SMC-F3C-2502-33	33	1515	7713	3972	47.856	1.2992
SMC-F3C-2502-34	34	1560	7946	4092	49.306	1.2992
SMC-F3C-2502-35	35	1605	8180	4212	50.757	1.2992
SMC-F3C-2502-36	36	1650	8414	4333	52.207	1.2992
SMC-F3C-2502-37	37	1695	8648	4453	53.657	1.2992
SMC-F3C-2502-38	38	1740	8881	4574	55.107	1.2992
SMC-F3C-2502-39	39	1785	9115	4694	56.557	1.2992
SMC-F3C-2502-40	40	1830	9349	4814	58.008	1.2992