Declaration of Performance

No. 202009-1076

Florence 6 Column 500mm

Unique product code:	SMC-F6C-502
Type, batch or serial number:	SMC-F6C-502
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
22nd November 2026



Castrads®

Appendix to DOP No. 202009-1076: Dimensions and thermal outputs

Panel dimensions: 602mm high when floor standing, 217mm 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-F6C-502-03	3	165	287	146	1.597	1.3273
SMC-F6C-502-04	4	210	383	194	2.130	1.3273
SMC-F6C-502-05	5	255	479	243	2.662	1.3273
SMC-F6C-502-06	6	300	575	292	3.194	1.3273
SMC-F6C-502-07	7	345	671	340	3.727	1.3273
SMC-F6C-502-08	8	390	766	389	4.259	1.3273
SMC-F6C-502-09	9	435	862	438	4.792	1.3273
SMC-F6C-502-10	10	480	958	486	5.324	1.3273
SMC-F6C-502-11	11	525	1054	535	5.856	1.3273
SMC-F6C-502-12	12	570	1149	583	6.389	1.3273
SMC-F6C-502-13	13	615	1245	632	6.921	1.3273
SMC-F6C-502-14	14	660	1341	681	7.453	1.3273
SMC-F6C-502-15	15	705	1437	729	7.986	1.3273
SMC-F6C-502-16	16	750	1533	778	8.518	1.3273
SMC-F6C-502-17	17	795	1628	827	9.051	1.3273
SMC-F6C-502-18	18	840	1724	875	9.583	1.3273
SMC-F6C-502-19	19	885	1820	924	10.115	1.3273
SMC-F6C-502-20	20	930	1916	972	10.648	1.3273
SMC-F6C-502-21	21	975	2012	1021	11.180	1.3273
SMC-F6C-502-22	22	1020	2107	1070	11.713	1.3273
SMC-F6C-502-23	23	1065	2203	1118	12.245	1.3273
SMC-F6C-502-24	24	1110	2299	1167	12.777	1.3273
SMC-F6C-502-25	25	1155	2395	1216	13.310	1.3273
SMC-F6C-502-26	26	1200	2490	1264	13.842	1.3273
SMC-F6C-502-27	27	1245	2586	1313	14.375	1.3273
SMC-F6C-502-28	28	1290	2682	1361	14.907	1.3273
SMC-F6C-502-29	29	1335	2778	1410	15.439	1.3273
SMC-F6C-502-30	30	1380	2874	1459	15.972	1.3273
SMC-F6C-502-31	31	1425	2969	1507	16.504	1.3273
SMC-F6C-502-32	32	1470	3065	1556	17.036	1.3273
SMC-F6C-502-33	33	1515	3161	1605	17.569	1.3273
SMC-F6C-502-34	34	1560	3257	1653	18.101	1.3273
SMC-F6C-502-35	35	1605	3353	1702	18.634	1.3273
SMC-F6C-502-36	36	1650	3448	1750	19.166	1.3273
SMC-F6C-502-37	37	1695	3544	1799	19.698	1.3273
SMC-F6C-502-38	38	1740	3640	1848	20.231	1.3273
SMC-F6C-502-39	39	1785	3736	1896	20.763	1.3273
SMC-F6C-502-40	40	1830	3831	1945	21.296	1.3273