Declaration of Performance

No. 202009-1056

Florence 5 Column 2000mm

Unique product code:	SMC-F5C-2002
Type, batch or serial number:	SMC-F5C-2002
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
17th November 2026



Castrads®

Appendix to DOP No. 202009-1056: Dimensions and thermal outputs

Panel dimensions: 2102mm 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-2002-03	3	165	864	439	4.875	1.3235
SMC-F5C-2002-04	4	210	1152	586	6.501	1.3235
SMC-F5C-2002-05	5	255	1440	732	8.126	1.3235
SMC-F5C-2002-06	6	300	1728	879	9.751	1.3235
SMC-F5C-2002-07	7	345	2016	1025	11.376	1.3235
SMC-F5C-2002-08	8	390	2304	1172	13.001	1.3235
SMC-F5C-2002-09	9	435	2592	1318	14.626	1.3235
SMC-F5C-2002-10	10	480	2880	1465	16.251	1.3235
SMC-F5C-2002-11	11	525	3168	1611	17.877	1.3235
SMC-F5C-2002-12	12	570	3456	1758	19.502	1.3235
SMC-F5C-2002-13	13	615	3744	1904	21.127	1.3235
SMC-F5C-2002-14	14	660	4032	2051	22.752	1.3235
SMC-F5C-2002-15	15	705	4320	2197	24.377	1.3235
SMC-F5C-2002-16	16	750	4608	2344	26.002	1.3235
SMC-F5C-2002-17	17	795	4896	2490	27.627	1.3235
SMC-F5C-2002-18	18	840	5184	2637	29.253	1.3235
SMC-F5C-2002-19	19	885	5472	2783	30.878	1.3235
SMC-F5C-2002-20	20	930	5760	2930	32.503	1.3235
SMC-F5C-2002-21	21	975	6048	3076	34.128	1.3235
SMC-F5C-2002-22	22	1020	6336	3223	35.753	1.3235
SMC-F5C-2002-23	23	1065	6624	3369	37.378	1.3235
SMC-F5C-2002-24	24	1110	6912	3516	39.003	1.3235
SMC-F5C-2002-25	25	1155	7200	3662	40.629	1.3235
SMC-F5C-2002-26	26	1200	7488	3809	42.254	1.3235
SMC-F5C-2002-27	27	1245	7776	3955	43.879	1.3235
SMC-F5C-2002-28	28	1290	8064	4102	45.504	1.3235
SMC-F5C-2002-29	29	1335	8352	4248	47.129	1.3235
SMC-F5C-2002-30	30	1380	8640	4394	48.754	1.3235
SMC-F5C-2002-31	31	1425	8928	4541	50.379	1.3235
SMC-F5C-2002-32	32	1470	9216	4687	52.004	1.3235
SMC-F5C-2002-33	33	1515	9504	4834	53.630	1.3235
SMC-F5C-2002-34	34	1560	9792	4980	55.255	1.3235
SMC-F5C-2002-35	35	1605	10080	5127	56.880	1.3235
SMC-F5C-2002-36	36	1650	10368	5273	58.505	1.3235
SMC-F5C-2002-37	37	1695	10656	5420	60.130	1.3235
SMC-F5C-2002-38	38	1740	10944	5566	61.755	1.3235
SMC-F5C-2002-39	39	1785	11232	5713	63.380	1.3235
SMC-F5C-2002-40	40	1830	11520	5859	65.006	1.3235