Declaration of Performance

No. 202009-1071

Florence 6 Column 2000mm

Unique product code:	SMC-F6C-2002
Type, batch or serial number:	SMC-F6C-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
22nd November 2026



Castrads®

Appendix to DOP No. 202009-1071: Dimensions and thermal outputs

Panel dimensions: 2102mm 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-2002-03	3	165	1014	514	5.567	1.3304
SMC-F6C-2002-04	4	210	1352	685	7.423	1.3304
SMC-F6C-2002-05	5	255	1690	856	9.279	1.3304
SMC-F6C-2002-06	6	300	2027	1028	11.135	1.3304
SMC-F6C-2002-07	7	345	2365	1199	12.991	1.3304
SMC-F6C-2002-08	8	390	2703	1370	14.846	1.3304
SMC-F6C-2002-09	9	435	3041	1541	16.702	1.3304
SMC-F6C-2002-10	10	480	3379	1713	18.558	1.3304
SMC-F6C-2002-11	11	525	3717	1884	20.414	1.3304
SMC-F6C-2002-12	12	570	4055	2055	22.270	1.3304
SMC-F6C-2002-13	13	615	4393	2226	24.126	1.3304
SMC-F6C-2002-14	14	660	4731	2398	25.981	1.3304
SMC-F6C-2002-15	15	705	5069	2569	27.837	1.3304
SMC-F6C-2002-16	16	750	5406	2740	29.693	1.3304
SMC-F6C-2002-17	17	795	5744	2911	31.549	1.3304
SMC-F6C-2002-18	18	840	6082	3083	33.405	1.3304
SMC-F6C-2002-19	19	885	6420	3254	35.260	1.3304
SMC-F6C-2002-20	20	930	6758	3425	37.116	1.3304
SMC-F6C-2002-21	21	975	7096	3596	38.972	1.3304
SMC-F6C-2002-22	22	1020	7434	3768	40.828	1.3304
SMC-F6C-2002-23	23	1065	7772	3939	42.684	1.3304
SMC-F6C-2002-24	24	1110	8110	4110	44.539	1.3304
SMC-F6C-2002-25	25	1155	8448	4281	46.395	1.3304
SMC-F6C-2002-26	26	1200	8785	4453	48.251	1.3304
SMC-F6C-2002-27	27	1245	9123	4624	50.107	1.3304
SMC-F6C-2002-28	28	1290	9461	4795	51.963	1.3304
SMC-F6C-2002-29	29	1335	9799	4966	53.818	1.3304
SMC-F6C-2002-30	30	1380	10137	5138	55.674	1.3304
SMC-F6C-2002-31	31	1425	10475	5309	57.530	1.3304
SMC-F6C-2002-32	32	1470	10813	5480	59.386	1.3304
SMC-F6C-2002-33	33	1515	11151	5652	61.242	1.3304
SMC-F6C-2002-34	34	1560	11489	5823	63.098	1.3304
SMC-F6C-2002-35	35	1605	11827	5994	64.953	1.3304
SMC-F6C-2002-36	36	1650	12165	6165	66.809	1.3304
SMC-F6C-2002-37	37	1695	12502	6337	68.665	1.3304
SMC-F6C-2002-38	38	1740	12840	6508	70.521	1.3304
SMC-F6C-2002-39	39	1785	13178	6679	72.377	1.3304
SMC-F6C-2002-40	40	1830	13516	6850	74.232	1.3304