Declaration of Performance

No. 202009-1069

Florence 6 Column 1800mm

Unique product code:	SMC-F6C-1802
Type, batch or serial number:	SMC-F6C-1802
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. 202009-1069: Dimensions and thermal outputs

Panel dimensions: 1902mm 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-1802-03	3	165	919	465	4.981	1.3339
SMC-F6C-1802-04	4	210	1226	620	6.641	1.3339
SMC-F6C-1802-05	5	255	1532	775	8.301	1.3339
SMC-F6C-1802-06	6	300	1839	930	9.961	1.3339
SMC-F6C-1802-07	7	345	2145	1085	11.621	1.3339
SMC-F6C-1802-08	8	390	2452	1240	13.281	1.3339
SMC-F6C-1802-09	9	435	2758	1395	14.942	1.3339
SMC-F6C-1802-10	10	480	3065	1550	16.602	1.3339
SMC-F6C-1802-11	11	525	3371	1706	18.262	1.3339
SMC-F6C-1802-12	12	570	3678	1861	19.922	1.3339
SMC-F6C-1802-13	13	615	3984	2016	21.582	1.3339
SMC-F6C-1802-14	14	660	4291	2171	23.242	1.3339
SMC-F6C-1802-15	15	705	4597	2326	24.903	1.3339
SMC-F6C-1802-16	16	750	4904	2481	26.563	1.3339
SMC-F6C-1802-17	17	795	5210	2636	28.223	1.3339
SMC-F6C-1802-18	18	840	5517	2791	29.883	1.3339
SMC-F6C-1802-19	19	885	5823	2946	31.543	1.3339
SMC-F6C-1802-20	20	930	6129	3101	33.203	1.3339
SMC-F6C-1802-21	21	975	6436	3256	34.864	1.3339
SMC-F6C-1802-22	22	1020	6742	3411	36.524	1.3339
SMC-F6C-1802-23	23	1065	7049	3566	38.184	1.3339
SMC-F6C-1802-24	24	1110	7355	3721	39.844	1.3339
SMC-F6C-1802-25	25	1155	7662	3876	41.504	1.3339
SMC-F6C-1802-26	26	1200	7968	4031	43.164	1.3339
SMC-F6C-1802-27	27	1245	8275	4186	44.825	1.3339
SMC-F6C-1802-28	28	1290	8581	4341	46.485	1.3339
SMC-F6C-1802-29	29	1335	8888	4496	48.145	1.3339
SMC-F6C-1802-30	30	1380	9194	4651	49.805	1.3339
SMC-F6C-1802-31	31	1425	9501	4807	51.465	1.3339
SMC-F6C-1802-32	32	1470	9807	4962	53.125	1.3339
SMC-F6C-1802-33	33	1515	10114	5117	54.786	1.3339
SMC-F6C-1802-34	34	1560	10420	5272	56.446	1.3339
SMC-F6C-1802-35	35	1605	10727	5427	58.106	1.3339
SMC-F6C-1802-36	36	1650	11033	5582	59.766	1.3339
SMC-F6C-1802-37	37	1695	11339	5737	61.426	1.3339
SMC-F6C-1802-38	38	1740	11646	5892	63.086	1.3339
SMC-F6C-1802-39	39	1785	11952	6047	64.747	1.3339
SMC-F6C-1802-40	40	1830	12259	6202	66.407	1.3339