Declaration of Performance

No. 202009-1078

Florence 6 Column 685mm

Unique product code:	SMC-F6C-687
Type, batch or serial number:	SMC-F6C-687
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
23rd November 2026



Castrads®

Appendix to DOP No. 202009-1078: Dimensions and thermal outputs

Panel dimensions: 787mm 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-687-03	3	165	381	190	1.871	1.3591
SMC-F6C-687-04	4	210	508	254	2.495	1.3591
SMC-F6C-687-05	5	255	635	317	3.119	1.3591
SMC-F6C-687-06	6	300	763	381	3.742	1.3591
SMC-F6C-687-07	7	345	890	444	4.366	1.3591
SMC-F6C-687-08	8	390	1017	508	4.990	1.3591
SMC-F6C-687-09	9	435	1144	571	5.613	1.3591
SMC-F6C-687-10	10	480	1271	635	6.237	1.3591
SMC-F6C-687-11	11	525	1398	698	6.861	1.3591
SMC-F6C-687-12	12	570	1525	762	7.485	1.3591
SMC-F6C-687-13	13	615	1652	825	8.108	1.3591
SMC-F6C-687-14	14	660	1779	889	8.732	1.3591
SMC-F6C-687-15	15	705	1906	952	9.356	1.3591
SMC-F6C-687-16	16	750	2033	1016	9.979	1.3591
SMC-F6C-687-17	17	795	2161	1079	10.603	1.3591
SMC-F6C-687-18	18	840	2288	1143	11.227	1.3591
SMC-F6C-687-19	19	885	2415	1206	11.850	1.3591
SMC-F6C-687-20	20	930	2542	1269	12.474	1.3591
SMC-F6C-687-21	21	975	2669	1333	13.098	1.3591
SMC-F6C-687-22	22	1020	2796	1396	13.722	1.3591
SMC-F6C-687-23	23	1065	2923	1460	14.345	1.3591
SMC-F6C-687-24	24	1110	3050	1523	14.969	1.3591
SMC-F6C-687-25	25	1155	3177	1587	15.593	1.3591
SMC-F6C-687-26	26	1200	3304	1650	16.216	1.3591
SMC-F6C-687-27	27	1245	3432	1714	16.840	1.3591
SMC-F6C-687-28	28	1290	3559	1777	17.464	1.3591
SMC-F6C-687-29	29	1335	3686	1841	18.088	1.3591
SMC-F6C-687-30	30	1380	3813	1904	18.711	1.3591
SMC-F6C-687-31	31	1425	3940	1968	19.335	1.3591
SMC-F6C-687-32	32	1470	4067	2031	19.959	1.3591
SMC-F6C-687-33	33	1515	4194	2095	20.582	1.3591
SMC-F6C-687-34	34	1560	4321	2158	21.206	1.3591
SMC-F6C-687-35	35	1605	4448	2222	21.830	1.3591
SMC-F6C-687-36	36	1650	4575	2285	22.454	1.3591
SMC-F6C-687-37	37	1695	4702	2349	23.077	1.3591
SMC-F6C-687-38	38	1740	4830	2412	23.701	1.3591
SMC-F6C-687-39	39	1785	4957	2475	24.325	1.3591
SMC-F6C-687-40	40	1830	5084	2539	24.948	1.3591