Declaration of Performance

No. 202009-1033

Florence 3 Column 685mm

Unique product code:	SMC-F3C-687
Type, batch or serial number:	SMC-F3C-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.ITPL.01004

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
3rd November 2026



Castrads®

Appendix to DOP No. 202009-1033: Dimensions and thermal outputs

Panel dimensions: 787mm high when floor standing, 103mm 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-F3C-687-03	3	165	205	106	1.317	1.2903
SMC-F3C-687-04	4	210	273	141	1.756	1.2903
SMC-F3C-687-05	5	255	342	177	2.196	1.2903
SMC-F3C-687-06	6	300	410	212	2.635	1.2903
SMC-F3C-687-07	7	345	478	247	3.074	1.2903
SMC-F3C-687-08	8	390	547	283	3.513	1.2903
SMC-F3C-687-09	9	435	615	318	3.952	1.2903
SMC-F3C-687-10	10	480	683	354	4.391	1.2903
SMC-F3C-687-11	11	525	752	389	4.830	1.2903
SMC-F3C-687-12	12	570	820	424	5.269	1.2903
SMC-F3C-687-13	13	615	888	460	5.708	1.2903
SMC-F3C-687-14	14	660	957	495	6.147	1.2903
SMC-F3C-687-15	15	705	1025	530	6.587	1.2903
SMC-F3C-687-16	16	750	1093	566	7.026	1.2903
SMC-F3C-687-17	17	795	1162	601	7.465	1.2903
SMC-F3C-687-18	18	840	1230	636	7.904	1.2903
SMC-F3C-687-19	19	885	1299	672	8.343	1.2903
SMC-F3C-687-20	20	930	1367	707	8.782	1.2903
SMC-F3C-687-21	21	975	1435	742	9.221	1.2903
SMC-F3C-687-22	22	1020	1504	778	9.660	1.2903
SMC-F3C-687-23	23	1065	1572	813	10.099	1.2903
SMC-F3C-687-24	24	1110	1640	849	10.538	1.2903
SMC-F3C-687-25	25	1155	1709	884	10.978	1.2903
SMC-F3C-687-26	26	1200	1777	919	11.417	1.2903
SMC-F3C-687-27	27	1245	1845	955	11.856	1.2903
SMC-F3C-687-28	28	1290	1914	990	12.295	1.2903
SMC-F3C-687-29	29	1335	1982	1025	12.734	1.2903
SMC-F3C-687-30	30	1380	2050	1061	13.173	1.2903
SMC-F3C-687-31	31	1425	2119	1096	13.612	1.2903
SMC-F3C-687-32	32	1470	2187	1131	14.051	1.2903
SMC-F3C-687-33	33	1515	2255	1167	14.490	1.2903
SMC-F3C-687-34	34	1560	2324	1202	14.929	1.2903
SMC-F3C-687-35	35	1605	2392	1237	15.369	1.2903
SMC-F3C-687-36	36	1650	2460	1273	15.808	1.2903
SMC-F3C-687-37	37	1695	2529	1308	16.247	1.2903
SMC-F3C-687-38	38	1740	2597	1343	16.686	1.2903
SMC-F3C-687-39	39	1785	2665	1379	17.125	1.2903
SMC-F3C-687-40	40	1830	2734	1414	17.564	1.2903