Declaration of Performance

No. 202009-1063

Florence 5 Column 685mm

Unique product code:	SMC-F5C-687
Type, batch or serial number:	SMC-F5C-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
5th November 2026



Castrads®

Appendix to DOP No. 202009-1063: Dimensions and thermal outputs

Panel dimensions: 787mm 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-687-03	3	165	324	164	1.744	1.3358
SMC-F5C-687-04	4	210	432	219	2.325	1.3358
SMC-F5C-687-05	5	255	540	273	2.906	1.3358
SMC-F5C-687-06	6	300	649	328	3.488	1.3358
SMC-F5C-687-07	7	345	757	382	4.069	1.3358
SMC-F5C-687-08	8	390	865	437	4.650	1.3358
SMC-F5C-687-09	9	435	973	492	5.231	1.3358
SMC-F5C-687-10	10	480	1081	546	5.813	1.3358
SMC-F5C-687-11	11	525	1189	601	6.394	1.3358
SMC-F5C-687-12	12	570	1297	656	6.975	1.3358
SMC-F5C-687-13	13	615	1405	710	7.556	1.3358
SMC-F5C-687-14	14	660	1513	765	8.138	1.3358
SMC-F5C-687-15	15	705	1621	820	8.719	1.3358
SMC-F5C-687-16	16	750	1730	874	9.300	1.3358
SMC-F5C-687-17	17	795	1838	929	9.881	1.3358
SMC-F5C-687-18	18	840	1946	983	10.463	1.3358
SMC-F5C-687-19	19	885	2054	1038	11.044	1.3358
SMC-F5C-687-20	20	930	2162	1093	11.625	1.3358
SMC-F5C-687-21	21	975	2270	1147	12.206	1.3358
SMC-F5C-687-22	22	1020	2378	1202	12.788	1.3358
SMC-F5C-687-23	23	1065	2486	1257	13.369	1.3358
SMC-F5C-687-24	24	1110	2594	1311	13.950	1.3358
SMC-F5C-687-25	25	1155	2702	1366	14.532	1.3358
SMC-F5C-687-26	26	1200	2811	1421	15.113	1.3358
SMC-F5C-687-27	27	1245	2919	1475	15.694	1.3358
SMC-F5C-687-28	28	1290	3027	1530	16.275	1.3358
SMC-F5C-687-29	29	1335	3135	1584	16.857	1.3358
SMC-F5C-687-30	30	1380	3243	1639	17.438	1.3358
SMC-F5C-687-31	31	1425	3351	1694	18.019	1.3358
SMC-F5C-687-32	32	1470	3459	1748	18.600	1.3358
SMC-F5C-687-33	33	1515	3567	1803	19.182	1.3358
SMC-F5C-687-34	34	1560	3675	1858	19.763	1.3358
SMC-F5C-687-35	35	1605	3783	1912	20.344	1.3358
SMC-F5C-687-36	36	1650	3892	1967	20.925	1.3358
SMC-F5C-687-37	37	1695	4000	2022	21.507	1.3358
SMC-F5C-687-38	38	1740	4108	2076	22.088	1.3358
SMC-F5C-687-39	39	1785	4216	2131	22.669	1.3358
SMC-F5C-687-40	40	1830	4324	2185	23.250	1.3358