Declaration of Performance

No. 202009-1047

Florence 4 Column 600mm

Unique product code:	SMC-F4C-602
Type, batch or serial number:	SMC-F4C-602
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.01005

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
4th November 2026



Castrads®

Appendix to DOP No. 202009-1047: Dimensions and thermal outputs

Panel dimensions: 702mm high when floor standing, 141mm 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-F4C-602-03	3	165	237	122	1.463	1.3004
SMC-F4C-602-04	4	210	316	163	1.951	1.3004
SMC-F4C-602-05	5	255	395	203	2.438	1.3004
SMC-F4C-602-06	6	300	474	244	2.926	1.3004
SMC-F4C-602-07	7	345	553	285	3.414	1.3004
SMC-F4C-602-08	8	390	632	325	3.901	1.3004
SMC-F4C-602-09	9	435	711	366	4.389	1.3004
SMC-F4C-602-10	10	480	790	406	4.877	1.3004
SMC-F4C-602-11	11	525	869	447	5.364	1.3004
SMC-F4C-602-12	12	570	948	488	5.852	1.3004
SMC-F4C-602-13	13	615	1027	528	6.339	1.3004
SMC-F4C-602-14	14	660	1106	569	6.827	1.3004
SMC-F4C-602-15	15	705	1185	610	7.315	1.3004
SMC-F4C-602-16	16	750	1264	650	7.802	1.3004
SMC-F4C-602-17	17	795	1343	691	8.290	1.3004
SMC-F4C-602-18	18	840	1422	732	8.778	1.3004
SMC-F4C-602-19	19	885	1501	772	9.265	1.3004
SMC-F4C-602-20	20	930	1580	813	9.753	1.3004
SMC-F4C-602-21	21	975	1659	854	10.241	1.3004
SMC-F4C-602-22	22	1020	1738	894	10.728	1.3004
SMC-F4C-602-23	23	1065	1817	935	11.216	1.3004
SMC-F4C-602-24	24	1110	1896	975	11.704	1.3004
SMC-F4C-602-25	25	1155	1974	1016	12.191	1.3004
SMC-F4C-602-26	26	1200	2053	1057	12.679	1.3004
SMC-F4C-602-27	27	1245	2132	1097	13.167	1.3004
SMC-F4C-602-28	28	1290	2211	1138	13.654	1.3004
SMC-F4C-602-29	29	1335	2290	1179	14.142	1.3004
SMC-F4C-602-30	30	1380	2369	1219	14.630	1.3004
SMC-F4C-602-31	31	1425	2448	1260	15.117	1.3004
SMC-F4C-602-32	32	1470	2527	1301	15.605	1.3004
SMC-F4C-602-33	33	1515	2606	1341	16.092	1.3004
SMC-F4C-602-34	34	1560	2685	1382	16.580	1.3004
SMC-F4C-602-35	35	1605	2764	1423	17.068	1.3004
SMC-F4C-602-36	36	1650	2843	1463	17.555	1.3004
SMC-F4C-602-37	37	1695	2922	1504	18.043	1.3004
SMC-F4C-602-38	38	1740	3001	1545	18.531	1.3004
SMC-F4C-602-39	39	1785	3080	1585	19.018	1.3004
SMC-F4C-602-40	40	1830	3159	1626	19.506	1.3004