Declaration of Performance

No. 202009-1032

Florence 3 Column 600mm

Unique product code:	SMC-F3C-602
Type, batch or serial number:	SMC-F3C-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.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
18th November 2026

Castrads®

Appendix to DOP No. 202009-1032: Dimensions and thermal outputs

Panel dimensions: 702mm 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-602-03	3	165	182	94	1.211	1.2810
SMC-F3C-602-04	4	210	242	126	1.615	1.2810
SMC-F3C-602-05	5	255	303	157	2.018	1.2810
SMC-F3C-602-06	6	300	363	189	2.422	1.2810
SMC-F3C-602-07	7	345	424	220	2.826	1.2810
SMC-F3C-602-08	8	390	485	252	3.229	1.2810
SMC-F3C-602-09	9	435	545	283	3.633	1.2810
SMC-F3C-602-10	10	480	606	315	4.037	1.2810
SMC-F3C-602-11	11	525	666	346	4.440	1.2810
SMC-F3C-602-12	12	570	727	378	4.844	1.2810
SMC-F3C-602-13	13	615	788	409	5.248	1.2810
SMC-F3C-602-14	14	660	848	441	5.651	1.2810
SMC-F3C-602-15	15	705	909	472	6.055	1.2810
SMC-F3C-602-16	16	750	969	504	6.459	1.2810
SMC-F3C-602-17	17	795	1030	535	6.862	1.2810
SMC-F3C-602-18	18	840	1090	567	7.266	1.2810
SMC-F3C-602-19	19	885	1151	598	7.670	1.2810
SMC-F3C-602-20	20	930	1212	630	8.073	1.2810
SMC-F3C-602-21	21	975	1272	661	8.477	1.2810
SMC-F3C-602-22	22	1020	1333	693	8.881	1.2810
SMC-F3C-602-23	23	1065	1393	724	9.284	1.2810
SMC-F3C-602-24	24	1110	1454	756	9.688	1.2810
SMC-F3C-602-25	25	1155	1514	787	10.092	1.2810
SMC-F3C-602-26	26	1200	1575	819	10.495	1.2810
SMC-F3C-602-27	27	1245	1636	850	10.899	1.2810
SMC-F3C-602-28	28	1290	1696	882	11.303	1.2810
SMC-F3C-602-29	29	1335	1757	913	11.706	1.2810
SMC-F3C-602-30	30	1380	1817	945	12.110	1.2810
SMC-F3C-602-31	31	1425	1878	976	12.514	1.2810
SMC-F3C-602-32	32	1470	1939	1008	12.917	1.2810
SMC-F3C-602-33	33	1515	1999	1039	13.321	1.2810
SMC-F3C-602-34	34	1560	2060	1071	13.725	1.2810
SMC-F3C-602-35	35	1605	2120	1102	14.128	1.2810
SMC-F3C-602-36	36	1650	2181	1134	14.532	1.2810
SMC-F3C-602-37	37	1695	2241	1165	14.936	1.2810
SMC-F3C-602-38	38	1740	2302	1197	15.339	1.2810
SMC-F3C-602-39	39	1785	2363	1228	15.743	1.2810
SMC-F3C-602-40	40	1830	2423	1260	16.147	1.2810