Declaration of Performance

No. 202009-1026

Florence 3 Column 2000mm

Unique product code:	SMC-F3C-2002
Type, batch or serial number:	SMC-F3C-2002
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. 202009-1026: Dimensions and thermal outputs

Panel dimensions: 2102mm 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-2002-03	3	165	562	286	3.240	1.3178
SMC-F3C-2002-04	4	210	749	382	4.321	1.3178
SMC-F3C-2002-05	5	255	936	477	5.401	1.3178
SMC-F3C-2002-06	6	300	1123	573	6.481	1.3178
SMC-F3C-2002-07	7	345	1310	668	7.561	1.3178
SMC-F3C-2002-08	8	390	1498	764	8.641	1.3178
SMC-F3C-2002-09	9	435	1685	859	9.721	1.3178
SMC-F3C-2002-10	10	480	1872	955	10.801	1.3178
SMC-F3C-2002-11	11	525	2059	1050	11.882	1.3178
SMC-F3C-2002-12	12	570	2247	1146	12.962	1.3178
SMC-F3C-2002-13	13	615	2434	1241	14.042	1.3178
SMC-F3C-2002-14	14	660	2621	1337	15.122	1.3178
SMC-F3C-2002-15	15	705	2808	1432	16.202	1.3178
SMC-F3C-2002-16	16	750	2995	1528	17.282	1.3178
SMC-F3C-2002-17	17	795	3183	1623	18.362	1.3178
SMC-F3C-2002-18	18	840	3370	1719	19.443	1.3178
SMC-F3C-2002-19	19	885	3557	1814	20.523	1.3178
SMC-F3C-2002-20	20	930	3744	1910	21.603	1.3178
SMC-F3C-2002-21	21	975	3931	2005	22.683	1.3178
SMC-F3C-2002-22	22	1020	4119	2101	23.763	1.3178
SMC-F3C-2002-23	23	1065	4306	2196	24.843	1.3178
SMC-F3C-2002-24	24	1110	4493	2292	25.923	1.3178
SMC-F3C-2002-25	25	1155	4680	2387	27.004	1.3178
SMC-F3C-2002-26	26	1200	4867	2483	28.084	1.3178
SMC-F3C-2002-27	27	1245	5055	2578	29.164	1.3178
SMC-F3C-2002-28	28	1290	5242	2674	30.244	1.3178
SMC-F3C-2002-29	29	1335	5429	2769	31.324	1.3178
SMC-F3C-2002-30	30	1380	5616	2865	32.404	1.3178
SMC-F3C-2002-31	31	1425	5804	2960	33.484	1.3178
SMC-F3C-2002-32	32	1470	5991	3056	34.564	1.3178
SMC-F3C-2002-33	33	1515	6178	3151	35.645	1.3178
SMC-F3C-2002-34	34	1560	6365	3247	36.725	1.3178
SMC-F3C-2002-35	35	1605	6552	3342	37.805	1.3178
SMC-F3C-2002-36	36	1650	6740	3438	38.885	1.3178
SMC-F3C-2002-37	37	1695	6927	3533	39.965	1.3178
SMC-F3C-2002-38	38	1740	7114	3629	41.045	1.3178
SMC-F3C-2002-39	39	1785	7301	3724	42.125	1.3178
SMC-F3C-2002-40	40	1830	7488	3820	43.206	1.3178