

# Castrads®

## Declaration of Performance

No. 202009-1022

Florence 3 Column 1200mm

<b>Unique product code:</b>	SMC-F3C-1202
<b>Type, batch or serial number:</b>	SMC-F3C-1202
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	Politecnico di Milano
<b>Test report number:</b>	ENE/MRT.ITPL.01004

### Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
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]	EN 442-1:2014
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$ . See appendix for factor $K_m$ 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  
10th June 2026





## Appendix to DOP No. 202009-1022: Dimensions and thermal outputs

Panel dimensions: 1302mm 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-1202-03	3	165	344	175	1.955	1.3219
SMC-F3C-1202-04	4	210	459	234	2.606	1.3219
SMC-F3C-1202-05	5	255	574	292	3.258	1.3219
SMC-F3C-1202-06	6	300	689	350	3.909	1.3219
SMC-F3C-1202-07	7	345	803	409	4.561	1.3219
SMC-F3C-1202-08	8	390	918	467	5.212	1.3219
SMC-F3C-1202-09	9	435	1033	526	5.864	1.3219
SMC-F3C-1202-10	10	480	1148	584	6.515	1.3219
SMC-F3C-1202-11	11	525	1262	643	7.167	1.3219
SMC-F3C-1202-12	12	570	1377	701	7.818	1.3219
SMC-F3C-1202-13	13	615	1492	759	8.470	1.3219
SMC-F3C-1202-14	14	660	1607	818	9.121	1.3219
SMC-F3C-1202-15	15	705	1721	876	9.773	1.3219
SMC-F3C-1202-16	16	750	1836	935	10.424	1.3219
SMC-F3C-1202-17	17	795	1951	993	11.076	1.3219
SMC-F3C-1202-18	18	840	2066	1051	11.728	1.3219
SMC-F3C-1202-19	19	885	2180	1110	12.379	1.3219
SMC-F3C-1202-20	20	930	2295	1168	13.031	1.3219
SMC-F3C-1202-21	21	975	2410	1227	13.682	1.3219
SMC-F3C-1202-22	22	1020	2525	1285	14.334	1.3219
SMC-F3C-1202-23	23	1065	2639	1344	14.985	1.3219
SMC-F3C-1202-24	24	1110	2754	1402	15.637	1.3219
SMC-F3C-1202-25	25	1155	2869	1460	16.288	1.3219
SMC-F3C-1202-26	26	1200	2984	1519	16.940	1.3219
SMC-F3C-1202-27	27	1245	3098	1577	17.591	1.3219
SMC-F3C-1202-28	28	1290	3213	1636	18.243	1.3219
SMC-F3C-1202-29	29	1335	3328	1694	18.894	1.3219
SMC-F3C-1202-30	30	1380	3443	1752	19.546	1.3219
SMC-F3C-1202-31	31	1425	3557	1811	20.197	1.3219
SMC-F3C-1202-32	32	1470	3672	1869	20.849	1.3219
SMC-F3C-1202-33	33	1515	3787	1928	21.500	1.3219
SMC-F3C-1202-34	34	1560	3902	1986	22.152	1.3219
SMC-F3C-1202-35	35	1605	4016	2044	22.804	1.3219
SMC-F3C-1202-36	36	1650	4131	2103	23.455	1.3219
SMC-F3C-1202-37	37	1695	4246	2161	24.107	1.3219
SMC-F3C-1202-38	38	1740	4361	2220	24.758	1.3219
SMC-F3C-1202-39	39	1785	4475	2278	25.410	1.3219
SMC-F3C-1202-40	40	1830	4590	2337	26.061	1.3219