

 **Castrads**<sup>®</sup>  
**Declaration of Performance**

No. 202009-1072

Florence 6 Column 2200mm

<b>Unique product code:</b>	SMC-F6C-2202
<b>Type, batch or serial number:</b>	SMC-F6C-2202
<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.RES.01003_C

## 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  
13th May 2026





## Appendix to DOP No. 202009-1072: Dimensions and thermal outputs

Panel dimensions: 2302mm high when floor standing, 217mm 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-F6C-2202-03	3	165	1108	562	6.168	1.3269
SMC-F6C-2202-04	4	210	1477	750	8.224	1.3269
SMC-F6C-2202-05	5	255	1846	937	10.280	1.3269
SMC-F6C-2202-06	6	300	2216	1125	12.336	1.3269
SMC-F6C-2202-07	7	345	2585	1312	14.393	1.3269
SMC-F6C-2202-08	8	390	2954	1500	16.449	1.3269
SMC-F6C-2202-09	9	435	3323	1687	18.505	1.3269
SMC-F6C-2202-10	10	480	3693	1875	20.561	1.3269
SMC-F6C-2202-11	11	525	4062	2062	22.617	1.3269
SMC-F6C-2202-12	12	570	4431	2250	24.673	1.3269
SMC-F6C-2202-13	13	615	4800	2437	26.729	1.3269
SMC-F6C-2202-14	14	660	5170	2625	28.785	1.3269
SMC-F6C-2202-15	15	705	5539	2812	30.841	1.3269
SMC-F6C-2202-16	16	750	5908	3000	32.897	1.3269
SMC-F6C-2202-17	17	795	6277	3187	34.953	1.3269
SMC-F6C-2202-18	18	840	6647	3375	37.009	1.3269
SMC-F6C-2202-19	19	885	7016	3562	39.066	1.3269
SMC-F6C-2202-20	20	930	7385	3750	41.122	1.3269
SMC-F6C-2202-21	21	975	7755	3937	43.178	1.3269
SMC-F6C-2202-22	22	1020	8124	4125	45.234	1.3269
SMC-F6C-2202-23	23	1065	8493	4312	47.290	1.3269
SMC-F6C-2202-24	24	1110	8862	4500	49.346	1.3269
SMC-F6C-2202-25	25	1155	9232	4687	51.402	1.3269
SMC-F6C-2202-26	26	1200	9601	4875	53.458	1.3269
SMC-F6C-2202-27	27	1245	9970	5062	55.514	1.3269
SMC-F6C-2202-28	28	1290	10339	5250	57.570	1.3269
SMC-F6C-2202-29	29	1335	10709	5437	59.626	1.3269
SMC-F6C-2202-30	30	1380	11078	5625	61.682	1.3269
SMC-F6C-2202-31	31	1425	11447	5812	63.738	1.3269
SMC-F6C-2202-32	32	1470	11816	6000	65.795	1.3269
SMC-F6C-2202-33	33	1515	12186	6187	67.851	1.3269
SMC-F6C-2202-34	34	1560	12555	6375	69.907	1.3269
SMC-F6C-2202-35	35	1605	12924	6562	71.963	1.3269
SMC-F6C-2202-36	36	1650	13293	6750	74.019	1.3269
SMC-F6C-2202-37	37	1695	13663	6937	76.075	1.3269
SMC-F6C-2202-38	38	1740	14032	7125	78.131	1.3269
SMC-F6C-2202-39	39	1785	14401	7312	80.187	1.3269
SMC-F6C-2202-40	40	1830	14771	7500	82.243	1.3269