

Castrads®

Declaration of Performance

No. 202009-1080

Florence 6 Column 900mm

Unique product code:	SMC-F6C-902
Type, batch or serial number:	SMC-F6C-902
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.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
7th May 2026





Appendix to DOP No. 202009-1080: Dimensions and thermal outputs

Panel dimensions: 1002mm 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-902-03	3	165	488	239	2.072	1.3961
SMC-F6C-902-04	4	210	650	319	2.762	1.3961
SMC-F6C-902-05	5	255	813	398	3.453	1.3961
SMC-F6C-902-06	6	300	976	478	4.144	1.3961
SMC-F6C-902-07	7	345	1138	558	4.834	1.3961
SMC-F6C-902-08	8	390	1301	638	5.525	1.3961
SMC-F6C-902-09	9	435	1464	717	6.215	1.3961
SMC-F6C-902-10	10	480	1626	797	6.906	1.3961
SMC-F6C-902-11	11	525	1789	877	7.596	1.3961
SMC-F6C-902-12	12	570	1951	956	8.287	1.3961
SMC-F6C-902-13	13	615	2114	1036	8.978	1.3961
SMC-F6C-902-14	14	660	2277	1116	9.668	1.3961
SMC-F6C-902-15	15	705	2439	1195	10.359	1.3961
SMC-F6C-902-16	16	750	2602	1275	11.049	1.3961
SMC-F6C-902-17	17	795	2765	1355	11.740	1.3961
SMC-F6C-902-18	18	840	2927	1435	12.431	1.3961
SMC-F6C-902-19	19	885	3090	1514	13.121	1.3961
SMC-F6C-902-20	20	930	3252	1594	13.812	1.3961
SMC-F6C-902-21	21	975	3415	1674	14.502	1.3961
SMC-F6C-902-22	22	1020	3578	1753	15.193	1.3961
SMC-F6C-902-23	23	1065	3740	1833	15.884	1.3961
SMC-F6C-902-24	24	1110	3903	1913	16.574	1.3961
SMC-F6C-902-25	25	1155	4065	1992	17.265	1.3961
SMC-F6C-902-26	26	1200	4228	2072	17.955	1.3961
SMC-F6C-902-27	27	1245	4391	2152	18.646	1.3961
SMC-F6C-902-28	28	1290	4553	2232	19.337	1.3961
SMC-F6C-902-29	29	1335	4716	2311	20.027	1.3961
SMC-F6C-902-30	30	1380	4879	2391	20.718	1.3961
SMC-F6C-902-31	31	1425	5041	2471	21.408	1.3961
SMC-F6C-902-32	32	1470	5204	2550	22.099	1.3961
SMC-F6C-902-33	33	1515	5366	2630	22.789	1.3961
SMC-F6C-902-34	34	1560	5529	2710	23.480	1.3961
SMC-F6C-902-35	35	1605	5692	2789	24.171	1.3961
SMC-F6C-902-36	36	1650	5854	2869	24.861	1.3961
SMC-F6C-902-37	37	1695	6017	2949	25.552	1.3961
SMC-F6C-902-38	38	1740	6179	3029	26.242	1.3961
SMC-F6C-902-39	39	1785	6342	3108	26.933	1.3961
SMC-F6C-902-40	40	1830	6505	3188	27.624	1.3961