

Castrads®

Declaration of Performance

No. 202009-1067

Florence 6 Column 1200mm

Unique product code:	SMC-F6C-1202
Type, batch or serial number:	SMC-F6C-1202
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
9th May 2026





Appendix to DOP No. 202009-1067: Dimensions and thermal outputs

Panel dimensions: 1302mm 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-1202-03	3	165	634	315	2.969	1.3710
SMC-F6C-1202-04	4	210	845	419	3.959	1.3710
SMC-F6C-1202-05	5	255	1056	524	4.949	1.3710
SMC-F6C-1202-06	6	300	1267	629	5.938	1.3710
SMC-F6C-1202-07	7	345	1478	734	6.928	1.3710
SMC-F6C-1202-08	8	390	1690	839	7.918	1.3710
SMC-F6C-1202-09	9	435	1901	944	8.907	1.3710
SMC-F6C-1202-10	10	480	2112	1049	9.897	1.3710
SMC-F6C-1202-11	11	525	2323	1153	10.887	1.3710
SMC-F6C-1202-12	12	570	2535	1258	11.877	1.3710
SMC-F6C-1202-13	13	615	2746	1363	12.866	1.3710
SMC-F6C-1202-14	14	660	2957	1468	13.856	1.3710
SMC-F6C-1202-15	15	705	3168	1573	14.846	1.3710
SMC-F6C-1202-16	16	750	3379	1678	15.836	1.3710
SMC-F6C-1202-17	17	795	3591	1782	16.825	1.3710
SMC-F6C-1202-18	18	840	3802	1887	17.815	1.3710
SMC-F6C-1202-19	19	885	4013	1992	18.805	1.3710
SMC-F6C-1202-20	20	930	4224	2097	19.794	1.3710
SMC-F6C-1202-21	21	975	4435	2202	20.784	1.3710
SMC-F6C-1202-22	22	1020	4647	2307	21.774	1.3710
SMC-F6C-1202-23	23	1065	4858	2412	22.764	1.3710
SMC-F6C-1202-24	24	1110	5069	2516	23.753	1.3710
SMC-F6C-1202-25	25	1155	5280	2621	24.743	1.3710
SMC-F6C-1202-26	26	1200	5491	2726	25.733	1.3710
SMC-F6C-1202-27	27	1245	5703	2831	26.722	1.3710
SMC-F6C-1202-28	28	1290	5914	2936	27.712	1.3710
SMC-F6C-1202-29	29	1335	6125	3041	28.702	1.3710
SMC-F6C-1202-30	30	1380	6336	3146	29.692	1.3710
SMC-F6C-1202-31	31	1425	6548	3250	30.681	1.3710
SMC-F6C-1202-32	32	1470	6759	3355	31.671	1.3710
SMC-F6C-1202-33	33	1515	6970	3460	32.661	1.3710
SMC-F6C-1202-34	34	1560	7181	3565	33.650	1.3710
SMC-F6C-1202-35	35	1605	7392	3670	34.640	1.3710
SMC-F6C-1202-36	36	1650	7604	3775	35.630	1.3710
SMC-F6C-1202-37	37	1695	7815	3879	36.620	1.3710
SMC-F6C-1202-38	38	1740	8026	3984	37.609	1.3710
SMC-F6C-1202-39	39	1785	8237	4089	38.599	1.3710
SMC-F6C-1202-40	40	1830	8448	4194	39.589	1.3710