Declaration of Performance

No. 202009-1077

Florence 6 Column 600mm

Unique product code:	SMC-F6C-602
Type, batch or serial number:	SMC-F6C-602
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	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
16th October 2026

Castrads®

Appendix to DOP No. 202009-1077: Dimensions and thermal outputs

Panel dimensions: 702mm 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-602-03	3	165	338	170	1.759	1.3445
SMC-F6C-602-04	4	210	451	227	2.345	1.3445
SMC-F6C-602-05	5	255	564	284	2.931	1.3445
SMC-F6C-602-06	6	300	677	341	3.517	1.3445
SMC-F6C-602-07	7	345	790	397	4.103	1.3445
SMC-F6C-602-08	8	390	902	454	4.690	1.3445
SMC-F6C-602-09	9	435	1015	511	5.276	1.3445
SMC-F6C-602-10	10	480	1128	568	5.862	1.3445
SMC-F6C-602-11	11	525	1241	624	6.448	1.3445
SMC-F6C-602-12	12	570	1354	681	7.035	1.3445
SMC-F6C-602-13	13	615	1467	738	7.621	1.3445
SMC-F6C-602-14	14	660	1579	795	8.207	1.3445
SMC-F6C-602-15	15	705	1692	851	8.793	1.3445
SMC-F6C-602-16	16	750	1805	908	9.379	1.3445
SMC-F6C-602-17	17	795	1918	965	9.966	1.3445
SMC-F6C-602-18	18	840	2031	1022	10.552	1.3445
SMC-F6C-602-19	19	885	2143	1079	11.138	1.3445
SMC-F6C-602-20	20	930	2256	1135	11.724	1.3445
SMC-F6C-602-21	21	975	2369	1192	12.310	1.3445
SMC-F6C-602-22	22	1020	2482	1249	12.897	1.3445
SMC-F6C-602-23	23	1065	2595	1306	13.483	1.3445
SMC-F6C-602-24	24	1110	2707	1362	14.069	1.3445
SMC-F6C-602-25	25	1155	2820	1419	14.655	1.3445
SMC-F6C-602-26	26	1200	2933	1476	15.241	1.3445
SMC-F6C-602-27	27	1245	3046	1533	15.828	1.3445
SMC-F6C-602-28	28	1290	3159	1589	16.414	1.3445
SMC-F6C-602-29	29	1335	3272	1646	17.000	1.3445
SMC-F6C-602-30	30	1380	3384	1703	17.586	1.3445
SMC-F6C-602-31	31	1425	3497	1760	18.173	1.3445
SMC-F6C-602-32	32	1470	3610	1816	18.759	1.3445
SMC-F6C-602-33	33	1515	3723	1873	19.345	1.3445
SMC-F6C-602-34	34	1560	3836	1930	19.931	1.3445
SMC-F6C-602-35	35	1605	3948	1987	20.517	1.3445
SMC-F6C-602-36	36	1650	4061	2044	21.104	1.3445
SMC-F6C-602-37	37	1695	4174	2100	21.690	1.3445
SMC-F6C-602-38	38	1740	4287	2157	22.276	1.3445
SMC-F6C-602-39	39	1785	4400	2214	22.862	1.3445
SMC-F6C-602-40	40	1830	4512	2271	23.448	1.3445