Declaration of Performance

No. 202009-1074

Florence 6 Column 300mm

Unique product code:	SMC-F6C-302
Type, batch or serial number:	SMC-F6C-302
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
22nd November 2026



Castrads®

Appendix to DOP No. 202009-1074: Dimensions and thermal outputs

Panel dimensions: 402mm 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-302-03	3	165	182	94	1.158	1.2929
SMC-F6C-302-04	4	210	243	125	1.544	1.2929
SMC-F6C-302-05	5	255	304	157	1.930	1.2929
SMC-F6C-302-06	6	300	364	188	2.316	1.2929
SMC-F6C-302-07	7	345	425	220	2.702	1.2929
SMC-F6C-302-08	8	390	486	251	3.088	1.2929
SMC-F6C-302-09	9	435	546	282	3.474	1.2929
SMC-F6C-302-10	10	480	607	314	3.860	1.2929
SMC-F6C-302-11	11	525	668	345	4.246	1.2929
SMC-F6C-302-12	12	570	729	376	4.632	1.2929
SMC-F6C-302-13	13	615	789	408	5.018	1.2929
SMC-F6C-302-14	14	660	850	439	5.404	1.2929
SMC-F6C-302-15	15	705	911	470	5.790	1.2929
SMC-F6C-302-16	16	750	971	502	6.176	1.2929
SMC-F6C-302-17	17	795	1032	533	6.563	1.2929
SMC-F6C-302-18	18	840	1093	565	6.949	1.2929
SMC-F6C-302-19	19	885	1154	596	7.335	1.2929
SMC-F6C-302-20	20	930	1214	627	7.721	1.2929
SMC-F6C-302-21	21	975	1275	659	8.107	1.2929
SMC-F6C-302-22	22	1020	1336	690	8.493	1.2929
SMC-F6C-302-23	23	1065	1396	721	8.879	1.2929
SMC-F6C-302-24	24	1110	1457	753	9.265	1.2929
SMC-F6C-302-25	25	1155	1518	784	9.651	1.2929
SMC-F6C-302-26	26	1200	1578	815	10.037	1.2929
SMC-F6C-302-27	27	1245	1639	847	10.423	1.2929
SMC-F6C-302-28	28	1290	1700	878	10.809	1.2929
SMC-F6C-302-29	29	1335	1761	910	11.195	1.2929
SMC-F6C-302-30	30	1380	1821	941	11.581	1.2929
SMC-F6C-302-31	31	1425	1882	972	11.967	1.2929
SMC-F6C-302-32	32	1470	1943	1004	12.353	1.2929
SMC-F6C-302-33	33	1515	2003	1035	12.739	1.2929
SMC-F6C-302-34	34	1560	2064	1066	13.125	1.2929
SMC-F6C-302-35	35	1605	2125	1098	13.511	1.2929
SMC-F6C-302-36	36	1650	2186	1129	13.897	1.2929
SMC-F6C-302-37	37	1695	2246	1160	14.283	1.2929
SMC-F6C-302-38	38	1740	2307	1192	14.669	1.2929
SMC-F6C-302-39	39	1785	2368	1223	15.055	1.2929
SMC-F6C-302-40	40	1830	2428	1255	15.441	1.2929