Declaration of Performance

No. 202009-1070

Florence 6 Column 200mm

Unique product code:	SMC-F6C-194
Type, batch or serial number:	SMC-F6C-194
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. 202009-1070: Dimensions and thermal outputs

Panel dimensions: 294mm 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-194-03	3	165	112	56	0.519	1.3741
SMC-F6C-194-04	4	210	149	74	0.692	1.3741
SMC-F6C-194-05	5	255	187	93	0.865	1.3741
SMC-F6C-194-06	6	300	224	111	1.038	1.3741
SMC-F6C-194-07	7	345	262	130	1.211	1.3741
SMC-F6C-194-08	8	390	299	148	1.384	1.3741
SMC-F6C-194-09	9	435	336	167	1.557	1.3741
SMC-F6C-194-10	10	480	374	185	1.730	1.3741
SMC-F6C-194-11	11	525	411	204	1.903	1.3741
SMC-F6C-194-12	12	570	448	222	2.076	1.3741
SMC-F6C-194-13	13	615	486	241	2.249	1.3741
SMC-F6C-194-14	14	660	523	259	2.422	1.3741
SMC-F6C-194-15	15	705	561	278	2.595	1.3741
SMC-F6C-194-16	16	750	598	296	2.768	1.3741
SMC-F6C-194-17	17	795	635	315	2.941	1.3741
SMC-F6C-194-18	18	840	673	333	3.114	1.3741
SMC-F6C-194-19	19	885	710	352	3.287	1.3741
SMC-F6C-194-20	20	930	747	370	3.460	1.3741
SMC-F6C-194-21	21	975	785	389	3.633	1.3741
SMC-F6C-194-22	22	1020	822	407	3.806	1.3741
SMC-F6C-194-23	23	1065	859	426	3.979	1.3741
SMC-F6C-194-24	24	1110	897	445	4.152	1.3741
SMC-F6C-194-25	25	1155	934	463	4.325	1.3741
SMC-F6C-194-26	26	1200	972	482	4.497	1.3741
SMC-F6C-194-27	27	1245	1009	500	4.670	1.3741
SMC-F6C-194-28	28	1290	1046	519	4.843	1.3741
SMC-F6C-194-29	29	1335	1084	537	5.016	1.3741
SMC-F6C-194-30	30	1380	1121	556	5.189	1.3741
SMC-F6C-194-31	31	1425	1158	574	5.362	1.3741
SMC-F6C-194-32	32	1470	1196	593	5.535	1.3741
SMC-F6C-194-33	33	1515	1233	611	5.708	1.3741
SMC-F6C-194-34	34	1560	1271	630	5.881	1.3741
SMC-F6C-194-35	35	1605	1308	648	6.054	1.3741
SMC-F6C-194-36	36	1650	1345	667	6.227	1.3741
SMC-F6C-194-37	37	1695	1383	685	6.400	1.3741
SMC-F6C-194-38	38	1740	1420	704	6.573	1.3741
SMC-F6C-194-39	39	1785	1457	722	6.746	1.3741
SMC-F6C-194-40	40	1830	1495	741	6.919	1.3741