Declaration of Performance

No. 202009-1025

Florence 3 Column 200mm

Unique product code:	SMC-F3C-194
Type, batch or serial number:	SMC-F3C-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.ITPL.01004

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 November 2026



Castrads®

Appendix to DOP No. 202009-1025: Dimensions and thermal outputs

Panel dimensions: 294mm high when floor standing, 103mm 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-F3C-194-03	3	165	61	32	0.394	1.2883
SMC-F3C-194-04	4	210	81	42	0.525	1.2883
SMC-F3C-194-05	5	255	101	53	0.657	1.2883
SMC-F3C-194-06	6	300	122	63	0.788	1.2883
SMC-F3C-194-07	7	345	142	74	0.920	1.2883
SMC-F3C-194-08	8	390	162	84	1.051	1.2883
SMC-F3C-194-09	9	435	183	95	1.182	1.2883
SMC-F3C-194-10	10	480	203	105	1.314	1.2883
SMC-F3C-194-11	11	525	223	116	1.445	1.2883
SMC-F3C-194-12	12	570	243	126	1.576	1.2883
SMC-F3C-194-13	13	615	264	137	1.708	1.2883
SMC-F3C-194-14	14	660	284	147	1.839	1.2883
SMC-F3C-194-15	15	705	304	158	1.970	1.2883
SMC-F3C-194-16	16	750	325	168	2.102	1.2883
SMC-F3C-194-17	17	795	345	179	2.233	1.2883
SMC-F3C-194-18	18	840	365	189	2.364	1.2883
SMC-F3C-194-19	19	885	386	200	2.496	1.2883
SMC-F3C-194-20	20	930	406	210	2.627	1.2883
SMC-F3C-194-21	21	975	426	221	2.759	1.2883
SMC-F3C-194-22	22	1020	446	231	2.890	1.2883
SMC-F3C-194-23	23	1065	467	242	3.021	1.2883
SMC-F3C-194-24	24	1110	487	252	3.153	1.2883
SMC-F3C-194-25	25	1155	507	263	3.284	1.2883
SMC-F3C-194-26	26	1200	528	273	3.415	1.2883
SMC-F3C-194-27	27	1245	548	284	3.547	1.2883
SMC-F3C-194-28	28	1290	568	294	3.678	1.2883
SMC-F3C-194-29	29	1335	588	305	3.809	1.2883
SMC-F3C-194-30	30	1380	609	315	3.941	1.2883
SMC-F3C-194-31	31	1425	629	326	4.072	1.2883
SMC-F3C-194-32	32	1470	649	336	4.204	1.2883
SMC-F3C-194-33	33	1515	670	347	4.335	1.2883
SMC-F3C-194-34	34	1560	690	357	4.466	1.2883
SMC-F3C-194-35	35	1605	710	368	4.598	1.2883
SMC-F3C-194-36	36	1650	730	378	4.729	1.2883
SMC-F3C-194-37	37	1695	751	389	4.860	1.2883
SMC-F3C-194-38	38	1740	771	399	4.992	1.2883
SMC-F3C-194-39	39	1785	791	410	5.123	1.2883
SMC-F3C-194-40	40	1830	812	420	5.254	1.2883