



Declaration of Performance

No. 202009-1034

Florence 3 Column 765mm

Unique product code:	SMC-F3C-767
Type, batch or serial number:	SMC-F3C-767
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Limited 1 Kenwood Road Stockport SK5 6PH United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	CETIAT Domaine Scientifique de la Doua 25 Avenue des Arts BP 52042 69603 Villeurbanne France
Test report number:	ENE/MRT.ITPL.01004

Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	
Resistance to pressure	Maximum operating pressure: 1000 [kPa]	
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	

Appendix: Dimensions and thermal outputs

Panel dimensions: 867mm h, 101mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W $\Delta T50$	Output, W $\Delta T30$	Factor, Km	Exponent, n
SMC-F3C-767/03	3	165	227	117	1.408	1.29903
SMC-F3C-767/04	4	210	302	156	1.878	1.29903
SMC-F3C-767/05	5	255	378	195	2.347	1.29903
SMC-F3C-767/06	6	300	454	233	2.816	1.29903
SMC-F3C-767/07	7	345	529	272	3.286	1.29903
SMC-F3C-767/08	8	390	605	311	3.755	1.29903
SMC-F3C-767/09	9	435	680	350	4.225	1.29903
SMC-F3C-767/10	10	480	756	389	4.694	1.29903
SMC-F3C-767/11	11	525	832	428	5.163	1.29903
SMC-F3C-767/12	12	570	907	467	5.633	1.29903
SMC-F3C-767/13	13	615	983	506	6.102	1.29903
SMC-F3C-767/14	14	660	1058	545	6.571	1.29903
SMC-F3C-767/15	15	705	1134	584	7.041	1.29903
SMC-F3C-767/16	16	750	1210	622	7.510	1.29903
SMC-F3C-767/17	17	795	1285	661	7.980	1.29903
SMC-F3C-767/18	18	840	1361	700	8.449	1.29903
SMC-F3C-767/19	19	885	1436	739	8.918	1.29903
SMC-F3C-767/20	20	930	1512	778	9.388	1.29903
SMC-F3C-767/21	21	975	1588	817	9.857	1.29903
SMC-F3C-767/22	22	1020	1663	856	10.327	1.29903
SMC-F3C-767/23	23	1065	1739	895	10.796	1.29903
SMC-F3C-767/24	24	1110	1814	934	11.265	1.29903
SMC-F3C-767/25	25	1155	1890	973	11.735	1.29903
SMC-F3C-767/26	26	1200	1966	1011	12.204	1.29903
SMC-F3C-767/27	27	1245	2041	1050	12.674	1.29903
SMC-F3C-767/28	28	1290	2117	1089	13.143	1.29903
SMC-F3C-767/29	29	1335	2192	1128	13.612	1.29903
SMC-F3C-767/30	30	1380	2268	1167	14.082	1.29903
SMC-F3C-767/31	31	1425	2344	1206	14.551	1.29903
SMC-F3C-767/32	32	1470	2419	1245	15.020	1.29903
SMC-F3C-767/33	33	1515	2495	1284	15.490	1.29903
SMC-F3C-767/34	34	1560	2570	1323	15.959	1.29903
SMC-F3C-767/35	35	1605	2646	1362	16.429	1.29903
SMC-F3C-767/36	36	1650	2722	1400	16.898	1.29903
SMC-F3C-767/37	37	1695	2797	1439	17.367	1.29903
SMC-F3C-767/38	38	1740	2873	1478	17.837	1.29903
SMC-F3C-767/39	39	1785	2948	1517	18.306	1.29903
SMC-F3C-767/40	40	1830	3024	1556	18.776	1.29903

