



Declaration of Performance

No. 202009-1035

Florence 3 Column 900mm

Unique product code:	SMC-F3C-902
Type, batch or serial number:	SMC-F3C-902
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: 1002mm 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-902/03	3	165	263	135	1.543	1.31382
SMC-F3C-902/04	4	210	351	180	2.058	1.31382
SMC-F3C-902/05	5	255	439	225	2.572	1.31382
SMC-F3C-902/06	6	300	527	269	3.087	1.31382
SMC-F3C-902/07	7	345	615	314	3.601	1.31382
SMC-F3C-902/08	8	390	702	359	4.116	1.31382
SMC-F3C-902/09	9	435	790	404	4.630	1.31382
SMC-F3C-902/10	10	480	878	449	5.144	1.31382
SMC-F3C-902/11	11	525	966	494	5.659	1.31382
SMC-F3C-902/12	12	570	1054	539	6.173	1.31382
SMC-F3C-902/13	13	615	1141	584	6.688	1.31382
SMC-F3C-902/14	14	660	1229	629	7.202	1.31382
SMC-F3C-902/15	15	705	1317	674	7.717	1.31382
SMC-F3C-902/16	16	750	1405	718	8.231	1.31382
SMC-F3C-902/17	17	795	1493	763	8.745	1.31382
SMC-F3C-902/18	18	840	1580	808	9.260	1.31382
SMC-F3C-902/19	19	885	1668	853	9.774	1.31382
SMC-F3C-902/20	20	930	1756	898	10.289	1.31382
SMC-F3C-902/21	21	975	1844	943	10.803	1.31382
SMC-F3C-902/22	22	1020	1932	988	11.318	1.31382
SMC-F3C-902/23	23	1065	2019	1033	11.832	1.31382
SMC-F3C-902/24	24	1110	2107	1078	12.347	1.31382
SMC-F3C-902/25	25	1155	2195	1123	12.861	1.31382
SMC-F3C-902/26	26	1200	2283	1167	13.375	1.31382
SMC-F3C-902/27	27	1245	2371	1212	13.890	1.31382
SMC-F3C-902/28	28	1290	2458	1257	14.404	1.31382
SMC-F3C-902/29	29	1335	2546	1302	14.919	1.31382
SMC-F3C-902/30	30	1380	2634	1347	15.433	1.31382
SMC-F3C-902/31	31	1425	2722	1392	15.948	1.31382
SMC-F3C-902/32	32	1470	2810	1437	16.462	1.31382
SMC-F3C-902/33	33	1515	2897	1482	16.977	1.31382
SMC-F3C-902/34	34	1560	2985	1527	17.491	1.31382
SMC-F3C-902/35	35	1605	3073	1572	18.005	1.31382
SMC-F3C-902/36	36	1650	3161	1616	18.520	1.31382
SMC-F3C-902/37	37	1695	3249	1661	19.034	1.31382
SMC-F3C-902/38	38	1740	3336	1706	19.549	1.31382
SMC-F3C-902/39	39	1785	3424	1751	20.063	1.31382
SMC-F3C-902/40	40	1830	3512	1796	20.578	1.31382

