

Castrads®

Declaration of Performance

No. 202009-1073

Florence 6 Column 2500mm

Unique product code:	SMC-F6C-2502
Type, batch or serial number:	SMC-F6C-2502
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	
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]	EN 442-1:2014
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	

Signed for and on behalf of the manufacturer by:

Nicholas Baylis
CEO
Stockport, England
4th May 2026





Appendix to DOP No. 202009-1073: Dimensions and thermal outputs

Panel dimensions: 2602mm 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-2502-03	3	165	1249	636	7.097	1.3216
SMC-F6C-2502-04	4	210	1665	848	9.463	1.3216
SMC-F6C-2502-05	5	255	2081	1059	11.829	1.3216
SMC-F6C-2502-06	6	300	2497	1271	14.194	1.3216
SMC-F6C-2502-07	7	345	2913	1483	16.560	1.3216
SMC-F6C-2502-08	8	390	3330	1695	18.926	1.3216
SMC-F6C-2502-09	9	435	3746	1907	21.292	1.3216
SMC-F6C-2502-10	10	480	4162	2119	23.657	1.3216
SMC-F6C-2502-11	11	525	4578	2331	26.023	1.3216
SMC-F6C-2502-12	12	570	4994	2543	28.389	1.3216
SMC-F6C-2502-13	13	615	5411	2755	30.754	1.3216
SMC-F6C-2502-14	14	660	5827	2966	33.120	1.3216
SMC-F6C-2502-15	15	705	6243	3178	35.486	1.3216
SMC-F6C-2502-16	16	750	6659	3390	37.852	1.3216
SMC-F6C-2502-17	17	795	7075	3602	40.217	1.3216
SMC-F6C-2502-18	18	840	7492	3814	42.583	1.3216
SMC-F6C-2502-19	19	885	7908	4026	44.949	1.3216
SMC-F6C-2502-20	20	930	8324	4238	47.315	1.3216
SMC-F6C-2502-21	21	975	8740	4450	49.680	1.3216
SMC-F6C-2502-22	22	1020	9157	4662	52.046	1.3216
SMC-F6C-2502-23	23	1065	9573	4874	54.412	1.3216
SMC-F6C-2502-24	24	1110	9989	5085	56.778	1.3216
SMC-F6C-2502-25	25	1155	10405	5297	59.143	1.3216
SMC-F6C-2502-26	26	1200	10821	5509	61.509	1.3216
SMC-F6C-2502-27	27	1245	11238	5721	63.875	1.3216
SMC-F6C-2502-28	28	1290	11654	5933	66.240	1.3216
SMC-F6C-2502-29	29	1335	12070	6145	68.606	1.3216
SMC-F6C-2502-30	30	1380	12486	6357	70.972	1.3216
SMC-F6C-2502-31	31	1425	12902	6569	73.338	1.3216
SMC-F6C-2502-32	32	1470	13319	6781	75.703	1.3216
SMC-F6C-2502-33	33	1515	13735	6992	78.069	1.3216
SMC-F6C-2502-34	34	1560	14151	7204	80.435	1.3216
SMC-F6C-2502-35	35	1605	14567	7416	82.801	1.3216
SMC-F6C-2502-36	36	1650	14983	7628	85.166	1.3216
SMC-F6C-2502-37	37	1695	15400	7840	87.532	1.3216
SMC-F6C-2502-38	38	1740	15816	8052	89.898	1.3216
SMC-F6C-2502-39	39	1785	16232	8264	92.263	1.3216
SMC-F6C-2502-40	40	1830	16648	8476	94.629	1.3216