

# Castrads®

## Declaration of Performance

No. 202009-1075

Florence 6 Column 400mm

<b>Unique product code:</b>	SMC-F6C-402
<b>Type, batch or serial number:</b>	SMC-F6C-402
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	Politecnico di Milano
<b>Test report number:</b>	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  
13th May 2026





## Appendix to DOP No. 202009-1075: Dimensions and thermal outputs

Panel dimensions: 502mm 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-402-03	3	165	235	121	1.399	1.3101
SMC-F6C-402-04	4	210	314	161	1.866	1.3101
SMC-F6C-402-05	5	255	392	201	2.332	1.3101
SMC-F6C-402-06	6	300	471	241	2.798	1.3101
SMC-F6C-402-07	7	345	549	281	3.265	1.3101
SMC-F6C-402-08	8	390	628	321	3.731	1.3101
SMC-F6C-402-09	9	435	706	362	4.198	1.3101
SMC-F6C-402-10	10	480	785	402	4.664	1.3101
SMC-F6C-402-11	11	525	863	442	5.130	1.3101
SMC-F6C-402-12	12	570	941	482	5.597	1.3101
SMC-F6C-402-13	13	615	1020	522	6.063	1.3101
SMC-F6C-402-14	14	660	1098	562	6.530	1.3101
SMC-F6C-402-15	15	705	1177	603	6.996	1.3101
SMC-F6C-402-16	16	750	1255	643	7.462	1.3101
SMC-F6C-402-17	17	795	1334	683	7.929	1.3101
SMC-F6C-402-18	18	840	1412	723	8.395	1.3101
SMC-F6C-402-19	19	885	1491	763	8.862	1.3101
SMC-F6C-402-20	20	930	1569	804	9.328	1.3101
SMC-F6C-402-21	21	975	1648	844	9.794	1.3101
SMC-F6C-402-22	22	1020	1726	884	10.261	1.3101
SMC-F6C-402-23	23	1065	1805	924	10.727	1.3101
SMC-F6C-402-24	24	1110	1883	964	11.194	1.3101
SMC-F6C-402-25	25	1155	1961	1004	11.660	1.3101
SMC-F6C-402-26	26	1200	2040	1045	12.126	1.3101
SMC-F6C-402-27	27	1245	2118	1085	12.593	1.3101
SMC-F6C-402-28	28	1290	2197	1125	13.059	1.3101
SMC-F6C-402-29	29	1335	2275	1165	13.526	1.3101
SMC-F6C-402-30	30	1380	2354	1205	13.992	1.3101
SMC-F6C-402-31	31	1425	2432	1245	14.458	1.3101
SMC-F6C-402-32	32	1470	2511	1286	14.925	1.3101
SMC-F6C-402-33	33	1515	2589	1326	15.391	1.3101
SMC-F6C-402-34	34	1560	2668	1366	15.858	1.3101
SMC-F6C-402-35	35	1605	2746	1406	16.324	1.3101
SMC-F6C-402-36	36	1650	2824	1446	16.790	1.3101
SMC-F6C-402-37	37	1695	2903	1487	17.257	1.3101
SMC-F6C-402-38	38	1740	2981	1527	17.723	1.3101
SMC-F6C-402-39	39	1785	3060	1567	18.190	1.3101
SMC-F6C-402-40	40	1830	3138	1607	18.656	1.3101