

Castrads®

Declaration of Performance

No. 202009-1075

Florence 6 Column 400mm

| | |
|--|--|
| Unique product code: | SMC-F6C-402 |
| Type, batch or serial number: | SMC-F6C-402 |
| 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
8th July 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 |