

 **Castrads**[®]
Declaration of Performance

No. 202009-1062

Florence 5 Column 600mm

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|--|--|
| Unique product code: | SMC-F5C-602 |
| Type, batch or serial number: | SMC-F5C-602 |
| 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
28th April 2026





Appendix to DOP No. 202009-1062: Dimensions and thermal outputs

Panel dimensions: 702mm high when floor standing, 179mm 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-F5C-602-03 | 3 | 165 | 288 | 146 | 1.630 | 1.3225 |
| SMC-F5C-602-04 | 4 | 210 | 384 | 195 | 2.173 | 1.3225 |
| SMC-F5C-602-05 | 5 | 255 | 479 | 244 | 2.716 | 1.3225 |
| SMC-F5C-602-06 | 6 | 300 | 575 | 293 | 3.259 | 1.3225 |
| SMC-F5C-602-07 | 7 | 345 | 671 | 342 | 3.802 | 1.3225 |
| SMC-F5C-602-08 | 8 | 390 | 767 | 390 | 4.345 | 1.3225 |
| SMC-F5C-602-09 | 9 | 435 | 863 | 439 | 4.889 | 1.3225 |
| SMC-F5C-602-10 | 10 | 480 | 959 | 488 | 5.432 | 1.3225 |
| SMC-F5C-602-11 | 11 | 525 | 1055 | 537 | 5.975 | 1.3225 |
| SMC-F5C-602-12 | 12 | 570 | 1151 | 586 | 6.518 | 1.3225 |
| SMC-F5C-602-13 | 13 | 615 | 1247 | 634 | 7.061 | 1.3225 |
| SMC-F5C-602-14 | 14 | 660 | 1343 | 683 | 7.604 | 1.3225 |
| SMC-F5C-602-15 | 15 | 705 | 1438 | 732 | 8.148 | 1.3225 |
| SMC-F5C-602-16 | 16 | 750 | 1534 | 781 | 8.691 | 1.3225 |
| SMC-F5C-602-17 | 17 | 795 | 1630 | 830 | 9.234 | 1.3225 |
| SMC-F5C-602-18 | 18 | 840 | 1726 | 878 | 9.777 | 1.3225 |
| SMC-F5C-602-19 | 19 | 885 | 1822 | 927 | 10.320 | 1.3225 |
| SMC-F5C-602-20 | 20 | 930 | 1918 | 976 | 10.863 | 1.3225 |
| SMC-F5C-602-21 | 21 | 975 | 2014 | 1025 | 11.407 | 1.3225 |
| SMC-F5C-602-22 | 22 | 1020 | 2110 | 1074 | 11.950 | 1.3225 |
| SMC-F5C-602-23 | 23 | 1065 | 2206 | 1122 | 12.493 | 1.3225 |
| SMC-F5C-602-24 | 24 | 1110 | 2301 | 1171 | 13.036 | 1.3225 |
| SMC-F5C-602-25 | 25 | 1155 | 2397 | 1220 | 13.579 | 1.3225 |
| SMC-F5C-602-26 | 26 | 1200 | 2493 | 1269 | 14.122 | 1.3225 |
| SMC-F5C-602-27 | 27 | 1245 | 2589 | 1318 | 14.666 | 1.3225 |
| SMC-F5C-602-28 | 28 | 1290 | 2685 | 1366 | 15.209 | 1.3225 |
| SMC-F5C-602-29 | 29 | 1335 | 2781 | 1415 | 15.752 | 1.3225 |
| SMC-F5C-602-30 | 30 | 1380 | 2877 | 1464 | 16.295 | 1.3225 |
| SMC-F5C-602-31 | 31 | 1425 | 2973 | 1513 | 16.838 | 1.3225 |
| SMC-F5C-602-32 | 32 | 1470 | 3069 | 1562 | 17.381 | 1.3225 |
| SMC-F5C-602-33 | 33 | 1515 | 3164 | 1610 | 17.925 | 1.3225 |
| SMC-F5C-602-34 | 34 | 1560 | 3260 | 1659 | 18.468 | 1.3225 |
| SMC-F5C-602-35 | 35 | 1605 | 3356 | 1708 | 19.011 | 1.3225 |
| SMC-F5C-602-36 | 36 | 1650 | 3452 | 1757 | 19.554 | 1.3225 |
| SMC-F5C-602-37 | 37 | 1695 | 3548 | 1806 | 20.097 | 1.3225 |
| SMC-F5C-602-38 | 38 | 1740 | 3644 | 1854 | 20.640 | 1.3225 |
| SMC-F5C-602-39 | 39 | 1785 | 3740 | 1903 | 21.184 | 1.3225 |
| SMC-F5C-602-40 | 40 | 1830 | 3836 | 1952 | 21.727 | 1.3225 |