

 **Castrads**[®]
Declaration of Performance

No. 202009-1072

Florence 6 Column 2200mm

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|--|--|
| Unique product code: | SMC-F6C-2202 |
| Type, batch or serial number: | SMC-F6C-2202 |
| 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
27th June 2026





Appendix to DOP No. 202009-1072: Dimensions and thermal outputs

Panel dimensions: 2302mm 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-2202-03 | 3 | 165 | 1108 | 562 | 6.168 | 1.3269 |
| SMC-F6C-2202-04 | 4 | 210 | 1477 | 750 | 8.224 | 1.3269 |
| SMC-F6C-2202-05 | 5 | 255 | 1846 | 937 | 10.280 | 1.3269 |
| SMC-F6C-2202-06 | 6 | 300 | 2216 | 1125 | 12.336 | 1.3269 |
| SMC-F6C-2202-07 | 7 | 345 | 2585 | 1312 | 14.393 | 1.3269 |
| SMC-F6C-2202-08 | 8 | 390 | 2954 | 1500 | 16.449 | 1.3269 |
| SMC-F6C-2202-09 | 9 | 435 | 3323 | 1687 | 18.505 | 1.3269 |
| SMC-F6C-2202-10 | 10 | 480 | 3693 | 1875 | 20.561 | 1.3269 |
| SMC-F6C-2202-11 | 11 | 525 | 4062 | 2062 | 22.617 | 1.3269 |
| SMC-F6C-2202-12 | 12 | 570 | 4431 | 2250 | 24.673 | 1.3269 |
| SMC-F6C-2202-13 | 13 | 615 | 4800 | 2437 | 26.729 | 1.3269 |
| SMC-F6C-2202-14 | 14 | 660 | 5170 | 2625 | 28.785 | 1.3269 |
| SMC-F6C-2202-15 | 15 | 705 | 5539 | 2812 | 30.841 | 1.3269 |
| SMC-F6C-2202-16 | 16 | 750 | 5908 | 3000 | 32.897 | 1.3269 |
| SMC-F6C-2202-17 | 17 | 795 | 6277 | 3187 | 34.953 | 1.3269 |
| SMC-F6C-2202-18 | 18 | 840 | 6647 | 3375 | 37.009 | 1.3269 |
| SMC-F6C-2202-19 | 19 | 885 | 7016 | 3562 | 39.066 | 1.3269 |
| SMC-F6C-2202-20 | 20 | 930 | 7385 | 3750 | 41.122 | 1.3269 |
| SMC-F6C-2202-21 | 21 | 975 | 7755 | 3937 | 43.178 | 1.3269 |
| SMC-F6C-2202-22 | 22 | 1020 | 8124 | 4125 | 45.234 | 1.3269 |
| SMC-F6C-2202-23 | 23 | 1065 | 8493 | 4312 | 47.290 | 1.3269 |
| SMC-F6C-2202-24 | 24 | 1110 | 8862 | 4500 | 49.346 | 1.3269 |
| SMC-F6C-2202-25 | 25 | 1155 | 9232 | 4687 | 51.402 | 1.3269 |
| SMC-F6C-2202-26 | 26 | 1200 | 9601 | 4875 | 53.458 | 1.3269 |
| SMC-F6C-2202-27 | 27 | 1245 | 9970 | 5062 | 55.514 | 1.3269 |
| SMC-F6C-2202-28 | 28 | 1290 | 10339 | 5250 | 57.570 | 1.3269 |
| SMC-F6C-2202-29 | 29 | 1335 | 10709 | 5437 | 59.626 | 1.3269 |
| SMC-F6C-2202-30 | 30 | 1380 | 11078 | 5625 | 61.682 | 1.3269 |
| SMC-F6C-2202-31 | 31 | 1425 | 11447 | 5812 | 63.738 | 1.3269 |
| SMC-F6C-2202-32 | 32 | 1470 | 11816 | 6000 | 65.795 | 1.3269 |
| SMC-F6C-2202-33 | 33 | 1515 | 12186 | 6187 | 67.851 | 1.3269 |
| SMC-F6C-2202-34 | 34 | 1560 | 12555 | 6375 | 69.907 | 1.3269 |
| SMC-F6C-2202-35 | 35 | 1605 | 12924 | 6562 | 71.963 | 1.3269 |
| SMC-F6C-2202-36 | 36 | 1650 | 13293 | 6750 | 74.019 | 1.3269 |
| SMC-F6C-2202-37 | 37 | 1695 | 13663 | 6937 | 76.075 | 1.3269 |
| SMC-F6C-2202-38 | 38 | 1740 | 14032 | 7125 | 78.131 | 1.3269 |
| SMC-F6C-2202-39 | 39 | 1785 | 14401 | 7312 | 80.187 | 1.3269 |
| SMC-F6C-2202-40 | 40 | 1830 | 14771 | 7500 | 82.243 | 1.3269 |