

Castrads®

Declaration of Performance

No. 202009-1032

Florence 3 Column 600mm

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| Unique product code: | SMC-F3C-602 |
| Type, batch or serial number: | SMC-F3C-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.ITPL.01004 |

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
17th June 2026





Appendix to DOP No. 202009-1032: Dimensions and thermal outputs

Panel dimensions: 702mm high when floor standing, 103mm 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-F3C-602-03 | 3 | 165 | 182 | 94 | 1.211 | 1.2810 |
| SMC-F3C-602-04 | 4 | 210 | 242 | 126 | 1.615 | 1.2810 |
| SMC-F3C-602-05 | 5 | 255 | 303 | 157 | 2.018 | 1.2810 |
| SMC-F3C-602-06 | 6 | 300 | 363 | 189 | 2.422 | 1.2810 |
| SMC-F3C-602-07 | 7 | 345 | 424 | 220 | 2.826 | 1.2810 |
| SMC-F3C-602-08 | 8 | 390 | 485 | 252 | 3.229 | 1.2810 |
| SMC-F3C-602-09 | 9 | 435 | 545 | 283 | 3.633 | 1.2810 |
| SMC-F3C-602-10 | 10 | 480 | 606 | 315 | 4.037 | 1.2810 |
| SMC-F3C-602-11 | 11 | 525 | 666 | 346 | 4.440 | 1.2810 |
| SMC-F3C-602-12 | 12 | 570 | 727 | 378 | 4.844 | 1.2810 |
| SMC-F3C-602-13 | 13 | 615 | 788 | 409 | 5.248 | 1.2810 |
| SMC-F3C-602-14 | 14 | 660 | 848 | 441 | 5.651 | 1.2810 |
| SMC-F3C-602-15 | 15 | 705 | 909 | 472 | 6.055 | 1.2810 |
| SMC-F3C-602-16 | 16 | 750 | 969 | 504 | 6.459 | 1.2810 |
| SMC-F3C-602-17 | 17 | 795 | 1030 | 535 | 6.862 | 1.2810 |
| SMC-F3C-602-18 | 18 | 840 | 1090 | 567 | 7.266 | 1.2810 |
| SMC-F3C-602-19 | 19 | 885 | 1151 | 598 | 7.670 | 1.2810 |
| SMC-F3C-602-20 | 20 | 930 | 1212 | 630 | 8.073 | 1.2810 |
| SMC-F3C-602-21 | 21 | 975 | 1272 | 661 | 8.477 | 1.2810 |
| SMC-F3C-602-22 | 22 | 1020 | 1333 | 693 | 8.881 | 1.2810 |
| SMC-F3C-602-23 | 23 | 1065 | 1393 | 724 | 9.284 | 1.2810 |
| SMC-F3C-602-24 | 24 | 1110 | 1454 | 756 | 9.688 | 1.2810 |
| SMC-F3C-602-25 | 25 | 1155 | 1514 | 787 | 10.092 | 1.2810 |
| SMC-F3C-602-26 | 26 | 1200 | 1575 | 819 | 10.495 | 1.2810 |
| SMC-F3C-602-27 | 27 | 1245 | 1636 | 850 | 10.899 | 1.2810 |
| SMC-F3C-602-28 | 28 | 1290 | 1696 | 882 | 11.303 | 1.2810 |
| SMC-F3C-602-29 | 29 | 1335 | 1757 | 913 | 11.706 | 1.2810 |
| SMC-F3C-602-30 | 30 | 1380 | 1817 | 945 | 12.110 | 1.2810 |
| SMC-F3C-602-31 | 31 | 1425 | 1878 | 976 | 12.514 | 1.2810 |
| SMC-F3C-602-32 | 32 | 1470 | 1939 | 1008 | 12.917 | 1.2810 |
| SMC-F3C-602-33 | 33 | 1515 | 1999 | 1039 | 13.321 | 1.2810 |
| SMC-F3C-602-34 | 34 | 1560 | 2060 | 1071 | 13.725 | 1.2810 |
| SMC-F3C-602-35 | 35 | 1605 | 2120 | 1102 | 14.128 | 1.2810 |
| SMC-F3C-602-36 | 36 | 1650 | 2181 | 1134 | 14.532 | 1.2810 |
| SMC-F3C-602-37 | 37 | 1695 | 2241 | 1165 | 14.936 | 1.2810 |
| SMC-F3C-602-38 | 38 | 1740 | 2302 | 1197 | 15.339 | 1.2810 |
| SMC-F3C-602-39 | 39 | 1785 | 2363 | 1228 | 15.743 | 1.2810 |
| SMC-F3C-602-40 | 40 | 1830 | 2423 | 1260 | 16.147 | 1.2810 |