

# Castrads®

## Declaration of Performance

No. 202009-1097

### Mercury 3 Column 560mm

|  |  |
|--|--|
| <b>Unique product code:</b>                      | CI-M3C-560   |
| <b>Type, batch or serial number:</b>             | CI-M3C-560   |
| <b>Intended use of the construction product:</b> | In heating systems in buildings  |
| <b>Manufacturer:</b>                             | Castrads Ltd<br>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>                            | BSRIA  |
| <b>Test report number:</b>                       | 101534   |

### 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]<br>Maximum operating pressure: 1000 [kPa] | EN 442-1:2014                      |
| Rated thermal outputs   | See appendix 1   |                                    |
| Thermal output in different operating conditions (characteristic curve) | $\phi = K_m \cdot \Delta T^n$ .<br>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  
14th June 2026





## Appendix to DOP No. 202009-1097: Dimensions and thermal outputs

Panel dimensions: 560mm high when floor standing, 101mm 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 |
|---------------|-------------|------------|----------------------|----------------------|------------|-------------|
| CI-M3C-560-03 | 3           | 205        | 161                  | 85                   | 1.237      | 1.2451      |
| CI-M3C-560-04 | 4           | 263        | 215                  | 114                  | 1.649      | 1.2451      |
| CI-M3C-560-05 | 5           | 322        | 269                  | 142                  | 2.061      | 1.2451      |
| CI-M3C-560-06 | 6           | 380        | 323                  | 171                  | 2.473      | 1.2451      |
| CI-M3C-560-07 | 7           | 438        | 376                  | 199                  | 2.885      | 1.2451      |
| CI-M3C-560-08 | 8           | 496        | 430                  | 228                  | 3.298      | 1.2451      |
| CI-M3C-560-09 | 9           | 555        | 484                  | 256                  | 3.710      | 1.2451      |
| CI-M3C-560-10 | 10          | 613        | 538                  | 285                  | 4.122      | 1.2451      |
| CI-M3C-560-11 | 11          | 671        | 591                  | 313                  | 4.534      | 1.2451      |
| CI-M3C-560-12 | 12          | 730        | 645                  | 342                  | 4.946      | 1.2451      |
| CI-M3C-560-13 | 13          | 788        | 699                  | 370                  | 5.359      | 1.2451      |
| CI-M3C-560-14 | 14          | 846        | 753                  | 398                  | 5.771      | 1.2451      |
| CI-M3C-560-15 | 15          | 905        | 806                  | 427                  | 6.183      | 1.2451      |
| CI-M3C-560-16 | 16          | 963        | 860                  | 455                  | 6.595      | 1.2451      |
| CI-M3C-560-17 | 17          | 1021       | 914                  | 484                  | 7.007      | 1.2451      |
| CI-M3C-560-18 | 18          | 1079       | 968                  | 512                  | 7.420      | 1.2451      |
| CI-M3C-560-19 | 19          | 1138       | 1022                 | 541                  | 7.832      | 1.2451      |
| CI-M3C-560-20 | 20          | 1196       | 1075                 | 569                  | 8.244      | 1.2451      |
| CI-M3C-560-21 | 21          | 1254       | 1129                 | 598                  | 8.656      | 1.2451      |
| CI-M3C-560-22 | 22          | 1313       | 1183                 | 626                  | 9.068      | 1.2451      |
| CI-M3C-560-23 | 23          | 1371       | 1237                 | 655                  | 9.481      | 1.2451      |
| CI-M3C-560-24 | 24          | 1429       | 1290                 | 683                  | 9.893      | 1.2451      |
| CI-M3C-560-25 | 25          | 1488       | 1344                 | 712                  | 10.305     | 1.2451      |
| CI-M3C-560-26 | 26          | 1546       | 1398                 | 740                  | 10.717     | 1.2451      |
| CI-M3C-560-27 | 27          | 1604       | 1452                 | 768                  | 11.129     | 1.2451      |
| CI-M3C-560-28 | 28          | 1662       | 1505                 | 797                  | 11.542     | 1.2451      |
| CI-M3C-560-29 | 29          | 1721       | 1559                 | 825                  | 11.954     | 1.2451      |
| CI-M3C-560-30 | 30          | 1779       | 1613                 | 854                  | 12.366     | 1.2451      |
| CI-M3C-560-31 | 31          | 1837       | 1667                 | 882                  | 12.778     | 1.2451      |
| CI-M3C-560-32 | 32          | 1896       | 1720                 | 911                  | 13.190     | 1.2451      |
| CI-M3C-560-33 | 33          | 1954       | 1774                 | 939                  | 13.603     | 1.2451      |
| CI-M3C-560-34 | 34          | 2012       | 1828                 | 968                  | 14.015     | 1.2451      |
| CI-M3C-560-35 | 35          | 2071       | 1882                 | 996                  | 14.427     | 1.2451      |
| CI-M3C-560-36 | 36          | 2129       | 1936                 | 1025                 | 14.839     | 1.2451      |
| CI-M3C-560-37 | 37          | 2187       | 1989                 | 1053                 | 15.251     | 1.2451      |
| CI-M3C-560-38 | 38          | 2245       | 2043                 | 1082                 | 15.664     | 1.2451      |
| CI-M3C-560-39 | 39          | 2304       | 2097                 | 1110                 | 16.076     | 1.2451      |
| CI-M3C-560-40 | 40          | 2362       | 2151                 | 1138                 | 16.488     | 1.2451      |