

 **Castrads**<sup>®</sup>  
**Declaration of Performance**

No. 202309-1089

Emmeline III 870mm

|  |  |
|--|--|
| <b>Unique product code:</b>                      | CI-EML3-870  |
| <b>Type, batch or serial number:</b>             | CI-EML3-870  |
| <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>                       | 104331/2   |

## 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  
23rd May 2026





## Appendix to DOP No. 202309-1089: Dimensions and thermal outputs

Panel dimensions: 870mm high when floor standing, 230mm 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-EML3-870-03 | 3           | 230        | 442                  | 229                  | 2.813      | 1.2930      |
| CI-EML3-870-04 | 4           | 296        | 590                  | 305                  | 3.750      | 1.2930      |
| CI-EML3-870-05 | 5           | 363        | 737                  | 381                  | 4.688      | 1.2930      |
| CI-EML3-870-06 | 6           | 429        | 885                  | 457                  | 5.626      | 1.2930      |
| CI-EML3-870-07 | 7           | 496        | 1032                 | 533                  | 6.563      | 1.2930      |
| CI-EML3-870-08 | 8           | 562        | 1180                 | 610                  | 7.501      | 1.2930      |
| CI-EML3-870-09 | 9           | 629        | 1327                 | 686                  | 8.438      | 1.2930      |
| CI-EML3-870-10 | 10          | 695        | 1475                 | 762                  | 9.376      | 1.2930      |
| CI-EML3-870-11 | 11          | 762        | 1622                 | 838                  | 10.314     | 1.2930      |
| CI-EML3-870-12 | 12          | 828        | 1770                 | 914                  | 11.251     | 1.2930      |
| CI-EML3-870-13 | 13          | 895        | 1917                 | 991                  | 12.189     | 1.2930      |
| CI-EML3-870-14 | 14          | 961        | 2065                 | 1067                 | 13.126     | 1.2930      |
| CI-EML3-870-15 | 15          | 1028       | 2212                 | 1143                 | 14.064     | 1.2930      |
| CI-EML3-870-16 | 16          | 1094       | 2360                 | 1219                 | 15.002     | 1.2930      |
| CI-EML3-870-17 | 17          | 1161       | 2507                 | 1295                 | 15.939     | 1.2930      |
| CI-EML3-870-18 | 18          | 1227       | 2655                 | 1372                 | 16.877     | 1.2930      |
| CI-EML3-870-19 | 19          | 1294       | 2802                 | 1448                 | 17.814     | 1.2930      |
| CI-EML3-870-20 | 20          | 1360       | 2950                 | 1524                 | 18.752     | 1.2930      |
| CI-EML3-870-21 | 21          | 1427       | 3097                 | 1600                 | 19.690     | 1.2930      |
| CI-EML3-870-22 | 22          | 1493       | 3245                 | 1676                 | 20.627     | 1.2930      |
| CI-EML3-870-23 | 23          | 1560       | 3392                 | 1753                 | 21.565     | 1.2930      |
| CI-EML3-870-24 | 24          | 1626       | 3540                 | 1829                 | 22.502     | 1.2930      |
| CI-EML3-870-25 | 25          | 1693       | 3687                 | 1905                 | 23.440     | 1.2930      |
| CI-EML3-870-26 | 26          | 1759       | 3835                 | 1981                 | 24.378     | 1.2930      |
| CI-EML3-870-27 | 27          | 1826       | 3982                 | 2057                 | 25.315     | 1.2930      |
| CI-EML3-870-28 | 28          | 1892       | 4130                 | 2134                 | 26.253     | 1.2930      |
| CI-EML3-870-29 | 29          | 1959       | 4277                 | 2210                 | 27.190     | 1.2930      |
| CI-EML3-870-30 | 30          | 2025       | 4425                 | 2286                 | 28.128     | 1.2930      |
| CI-EML3-870-31 | 31          | 2092       | 4572                 | 2362                 | 29.066     | 1.2930      |
| CI-EML3-870-32 | 32          | 2158       | 4720                 | 2438                 | 30.003     | 1.2930      |
| CI-EML3-870-33 | 33          | 2225       | 4867                 | 2514                 | 30.941     | 1.2930      |
| CI-EML3-870-34 | 34          | 2291       | 5015                 | 2591                 | 31.878     | 1.2930      |
| CI-EML3-870-35 | 35          | 2358       | 5162                 | 2667                 | 32.816     | 1.2930      |
| CI-EML3-870-36 | 36          | 2424       | 5310                 | 2743                 | 33.754     | 1.2930      |
| CI-EML3-870-37 | 37          | 2491       | 5457                 | 2819                 | 34.691     | 1.2930      |
| CI-EML3-870-38 | 38          | 2557       | 5605                 | 2895                 | 35.629     | 1.2930      |
| CI-EML3-870-39 | 39          | 2624       | 5752                 | 2972                 | 36.566     | 1.2930      |
| CI-EML3-870-40 | 40          | 2690       | 5900                 | 3048                 | 37.504     | 1.2930      |