# Declaration of Performance

No. 202009-1136-US

Rococo III 19in

| | |
|---|---|
| **Unique product code:** | CI-RC3-470 |
| **Type, batch or serial number:** | CI-RC3-470 |
| **Intended use of the construction product:** | In heating systems in buildings |
| **Manufacturer:** | Castrads Ltd<br>1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom |
| **Test standard:** | EN 442-1:2014 |
| **Test laboratory:** | BSRIA |
| **Test report number:** | 101885/2 |

## Declared performance

| Essential characteristics | Performance | Reference standard |
|---|---|---|
| Reaction to fire | A1 — non-combustible | EN 442-1:2014 |
| Release of dangerous substances | None | |
| Pressure tightness | No leakage at 1.3 × maximum working pressure (psi) | |
| Surface temperature | Maximum 248 °F | |
| Resistance to pressure | No breakage at 1.69 × maximum working pressure (psi)<br>Maximum working pressure: 145 psi | |
| Rated thermal outputs | See appendix 1 | |
| Thermal output in different operating conditions (characteristic curve) | $\varphi = Km \cdot \Delta T^{n}$.<br>See appendix for factor Km and exponent n. | |
| Resistance against corrosion | No corrosion after 100h humidity | |
| Resistance against minor impact | Class 0 | |

Performance values are derived from testing to EN 442-1:2014 and are presented here in US customary units for the North American market. This document is a statement of manufacturer performance data; it is not issued under, and does not imply conformity with, any US regulatory or certification scheme.

**Signed for and on behalf of the manufacturer by:**
Nick Baylis
CEO
Syosset, England
16th November 2026



Castrads®

## Appendix to DoP No. 202009-1136-US: Dimensions and thermal outputs

Panel dimensions: 18.5 in (470 mm) high when floor standing, 10.1 in (256 mm) deep, for all numbers of sections. See table for length.

| SKU | Num of sec. | Length, in | Output (Hydronic, 170°F) | Output (Steam, 215°F) | EDR | Factor, Km | Exponent, n |
|---|---|---|---|---|---|---|---|
| CI-RC3-470-03 | 3 | 10.4 | 990 | 1,535 | 6.3 | 2.286 | 1.1997 |
| CI-RC3-470-04 | 4 | 13.5 | 1,320 | 2,046 | 8.4 | 3.048 | 1.1997 |
| CI-RC3-470-05 | 5 | 16.5 | 1,650 | 2,558 | 10.5 | 3.811 | 1.1997 |
| CI-RC3-470-06 | 6 | 19.6 | 1,980 | 3,070 | 12.6 | 4.573 | 1.1997 |
| CI-RC3-470-07 | 7 | 22.7 | 2,310 | 3,581 | 14.7 | 5.335 | 1.1997 |
| CI-RC3-470-08 | 8 | 25.7 | 2,640 | 4,093 | 16.8 | 6.097 | 1.1997 |
| CI-RC3-470-09 | 9 | 28.8 | 2,970 | 4,604 | 18.9 | 6.859 | 1.1997 |
| CI-RC3-470-10 | 10 | 31.9 | 3,300 | 5,116 | 21.0 | 7.621 | 1.1997 |
| CI-RC3-470-11 | 11 | 35 | 3,630 | 5,628 | 23.1 | 8.383 | 1.1997 |
| CI-RC3-470-12 | 12 | 38 | 3,960 | 6,139 | 25.2 | 9.145 | 1.1997 |
| CI-RC3-470-13 | 13 | 41.1 | 4,290 | 6,651 | 27.3 | 9.907 | 1.1997 |
| CI-RC3-470-14 | 14 | 44.2 | 4,620 | 7,162 | 29.4 | 10.670 | 1.1997 |
| CI-RC3-470-15 | 15 | 47.2 | 4,950 | 7,674 | 31.5 | 11.432 | 1.1997 |
| CI-RC3-470-16 | 16 | 50.3 | 5,280 | 8,185 | 33.6 | 12.194 | 1.1997 |
| CI-RC3-470-17 | 17 | 53.4 | 5,610 | 8,697 | 35.6 | 12.956 | 1.1997 |
| CI-RC3-470-18 | 18 | 56.5 | 5,940 | 9,209 | 37.7 | 13.718 | 1.1997 |
| CI-RC3-470-19 | 19 | 59.5 | 6,270 | 9,720 | 39.8 | 14.480 | 1.1997 |
| CI-RC3-470-20 | 20 | 62.6 | 6,600 | 10,232 | 41.9 | 15.242 | 1.1997 |
| CI-RC3-470-21 | 21 | 65.7 | 6,930 | 10,743 | 44.0 | 16.004 | 1.1997 |
| CI-RC3-470-22 | 22 | 68.7 | 7,260 | 11,255 | 46.1 | 16.766 | 1.1997 |
| CI-RC3-470-23 | 23 | 71.8 | 7,590 | 11,767 | 48.2 | 17.529 | 1.1997 |
| CI-RC3-470-24 | 24 | 74.9 | 7,920 | 12,278 | 50.3 | 18.291 | 1.1997 |
| CI-RC3-470-25 | 25 | 78 | 8,250 | 12,790 | 52.4 | 19.053 | 1.1997 |
| CI-RC3-470-26 | 26 | 81 | 8,580 | 13,301 | 54.5 | 19.815 | 1.1997 |
| CI-RC3-470-27 | 27 | 84.1 | 8,910 | 13,813 | 56.6 | 20.577 | 1.1997 |
| CI-RC3-470-28 | 28 | 87.2 | 9,240 | 14,325 | 58.7 | 21.339 | 1.1997 |
| CI-RC3-470-29 | 29 | 90.2 | 9,570 | 14,836 | 60.8 | 22.101 | 1.1997 |
| CI-RC3-470-30 | 30 | 93.3 | 9,900 | 15,348 | 62.9 | 22.863 | 1.1997 |
| CI-RC3-470-31 | 31 | 96.4 | 10,230 | 15,859 | 65.0 | 23.625 | 1.1997 |
| CI-RC3-470-32 | 32 | 99.4 | 10,560 | 16,371 | 67.1 | 24.388 | 1.1997 |
| CI-RC3-470-33 | 33 | 102.5 | 10,890 | 16,883 | 69.2 | 25.150 | 1.1997 |
| CI-RC3-470-34 | 34 | 105.6 | 11,220 | 17,394 | 71.3 | 25.912 | 1.1997 |
| CI-RC3-470-35 | 35 | 108.7 | 11,550 | 17,906 | 73.4 | 26.674 | 1.1997 |
| CI-RC3-470-36 | 36 | 111.7 | 11,880 | 18,417 | 75.5 | 27.436 | 1.1997 |
| CI-RC3-470-37 | 37 | 114.8 | 12,210 | 18,929 | 77.6 | 28.198 | 1.1997 |
| CI-RC3-470-38 | 38 | 117.9 | 12,540 | 19,441 | 79.7 | 28.960 | 1.1997 |
| CI-RC3-470-39 | 39 | 120.9 | 12,870 | 19,952 | 81.8 | 29.722 | 1.1997 |
| CI-RC3-470-40 | 40 | 124 | 13,200 | 20,464 | 83.9 | 30.484 | 1.1997 |

**Output (Hydronic, 170°F):** BTU/h at 170°F mean water, 68°F room. **Output (Steam, 215°F):** BTU/h at 215°F steam, 68°F room. **EDR:** square feet of Equivalent Direct Radiation at the reference condition (215°F steam, 70°F room; 1 sq ft = 240 BTU/h). Outputs are derived from the EN 442-1 power law $\varphi = Km \times \Delta T^{n}$ ($\Delta T$ = mean water − room, °C); BTU/h rounded to whole numbers, EDR to one decimal place.