



# Castrads®

## Declaration of Performance

No. 202209-1085

Emmeline II 670mm

<b>Unique product code:</b>	CI-EML2-670
<b>Type, batch or serial number:</b>	CI-EML2-670
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Limited 1 Kenwood Road Stockport, SK5 6PH United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire, RG12 7AH United Kingdom
<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 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	EN 442-1:2014
Rated thermal outputs	Maximum operating pressure: 1000 [kPa]	
Thermal output in different operating conditions (characteristic curve)	See appendix 1	
Resistance against corrosion:	$\phi = K_m \cdot \Delta T^n$ . See appendix for factor $K_m$ and exponent $n$	
Resistance against minor impact:	No corrosion after 100h humidity	
	Class 0	

### Signed for and on behalf of the manufacturer by:

Nick Baylis  
CEO  
Stockport, England  
28th June 2025

## Appendix to DOP No. 202209-1085: Dimensions and thermal outputs

Panel dimensions: 670mm high when floor standing, 170mm deep for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output (Watts, $\Delta T50$ )	Output (Watts, $\Delta T30$ )	Factor, Km	Exponent, n
CI-EML2-670-03	3	230	261	138	1.856	1.2642
CI-EML2-670-04	4	296	348	184	2.474	1.2642
CI-EML2-670-05	5	363	435	230	3.093	1.2642
CI-EML2-670-06	6	429	521	276	3.711	1.2642
CI-EML2-670-07	7	496	608	322	4.330	1.2642
CI-EML2-670-08	8	562	695	368	4.948	1.2642
CI-EML2-670-09	9	629	782	414	5.567	1.2642
CI-EML2-670-10	10	695	869	460	6.185	1.2642
CI-EML2-670-11	11	762	956	506	6.804	1.2642
CI-EML2-670-12	12	828	1043	552	7.422	1.2642
CI-EML2-670-13	13	895	1130	598	8.041	1.2642
CI-EML2-670-14	14	961	1217	644	8.659	1.2642
CI-EML2-670-15	15	1028	1304	690	9.278	1.2642
CI-EML2-670-16	16	1094	1390	736	9.896	1.2642
CI-EML2-670-17	17	1161	1477	782	10.515	1.2642
CI-EML2-670-18	18	1227	1564	828	11.134	1.2642
CI-EML2-670-19	19	1294	1651	874	11.752	1.2642
CI-EML2-670-20	20	1360	1738	920	12.371	1.2642
CI-EML2-670-21	21	1427	1825	966	12.989	1.2642
CI-EML2-670-22	22	1493	1912	1012	13.608	1.2642
CI-EML2-670-23	23	1560	1999	1058	14.226	1.2642
CI-EML2-670-24	24	1626	2086	1104	14.845	1.2642
CI-EML2-670-25	25	1693	2173	1150	15.463	1.2642
CI-EML2-670-26	26	1759	2259	1196	16.082	1.2642
CI-EML2-670-27	27	1826	2346	1242	16.700	1.2642
CI-EML2-670-28	28	1892	2433	1288	17.319	1.2642
CI-EML2-670-29	29	1959	2520	1334	17.937	1.2642
CI-EML2-670-30	30	2025	2607	1380	18.556	1.2642
CI-EML2-670-31	31	2092	2694	1426	19.174	1.2642
CI-EML2-670-32	32	2158	2781	1472	19.793	1.2642
CI-EML2-670-33	33	2225	2868	1518	20.411	1.2642
CI-EML2-670-34	34	2291	2955	1564	21.030	1.2642
CI-EML2-670-35	35	2358	3042	1610	21.649	1.2642
CI-EML2-670-36	36	2424	3128	1656	22.267	1.2642
CI-EML2-670-37	37	2491	3215	1702	22.886	1.2642
CI-EML2-670-38	38	2557	3302	1748	23.504	1.2642
CI-EML2-670-39	39	2624	3389	1794	24.123	1.2642
CI-EML2-670-40	40	2690	3476	1840	24.741	1.2642