

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

No. 202209-1086

Emmeline II 870mm

<b>Unique product code:</b>	CI-EML2-870
<b>Type, batch or serial number:</b>	CI-EML2-870
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Ltd 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] 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  
16th June 2026





## Appendix to DOP No. 202209-1086: Dimensions and thermal outputs

Panel dimensions: 870mm high when floor standing, 170mm 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-EML2-870-03	3	230	336	175	2.231	1.2821
CI-EML2-870-04	4	296	448	233	2.974	1.2821
CI-EML2-870-05	5	363	560	291	3.718	1.2821
CI-EML2-870-06	6	429	672	349	4.461	1.2821
CI-EML2-870-07	7	496	785	408	5.205	1.2821
CI-EML2-870-08	8	562	897	466	5.948	1.2821
CI-EML2-870-09	9	629	1009	524	6.692	1.2821
CI-EML2-870-10	10	695	1121	582	7.435	1.2821
CI-EML2-870-11	11	762	1233	640	8.179	1.2821
CI-EML2-870-12	12	828	1345	699	8.922	1.2821
CI-EML2-870-13	13	895	1457	757	9.666	1.2821
CI-EML2-870-14	14	961	1569	815	10.409	1.2821
CI-EML2-870-15	15	1028	1681	873	11.153	1.2821
CI-EML2-870-16	16	1094	1793	932	11.896	1.2821
CI-EML2-870-17	17	1161	1905	990	12.640	1.2821
CI-EML2-870-18	18	1227	2017	1048	13.383	1.2821
CI-EML2-870-19	19	1294	2130	1106	14.127	1.2821
CI-EML2-870-20	20	1360	2242	1164	14.870	1.2821
CI-EML2-870-21	21	1427	2354	1223	15.614	1.2821
CI-EML2-870-22	22	1493	2466	1281	16.357	1.2821
CI-EML2-870-23	23	1560	2578	1339	17.101	1.2821
CI-EML2-870-24	24	1626	2690	1397	17.844	1.2821
CI-EML2-870-25	25	1693	2802	1456	18.588	1.2821
CI-EML2-870-26	26	1759	2914	1514	19.331	1.2821
CI-EML2-870-27	27	1826	3026	1572	20.075	1.2821
CI-EML2-870-28	28	1892	3138	1630	20.818	1.2821
CI-EML2-870-29	29	1959	3250	1688	21.562	1.2821
CI-EML2-870-30	30	2025	3362	1747	22.305	1.2821
CI-EML2-870-31	31	2092	3474	1805	23.049	1.2821
CI-EML2-870-32	32	2158	3587	1863	23.792	1.2821
CI-EML2-870-33	33	2225	3699	1921	24.536	1.2821
CI-EML2-870-34	34	2291	3811	1980	25.279	1.2821
CI-EML2-870-35	35	2358	3923	2038	26.023	1.2821
CI-EML2-870-36	36	2424	4035	2096	26.766	1.2821
CI-EML2-870-37	37	2491	4147	2154	27.510	1.2821
CI-EML2-870-38	38	2557	4259	2212	28.253	1.2821
CI-EML2-870-39	39	2624	4371	2271	28.997	1.2821
CI-EML2-870-40	40	2690	4483	2329	29.740	1.2821