

 **Castrads**[®]
Declaration of Performance

No. 202209-1085

Emmeline II 670mm

Unique product code:	CI-EML2-670
Type, batch or serial number:	CI-EML2-670
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA
Test report number:	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
14th June 2026





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	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	Factor, Km	Exponent, n
CI-EML2-670-03	3	230	258	135	1.758	1.2754
CI-EML2-670-04	4	296	344	179	2.344	1.2754
CI-EML2-670-05	5	363	430	224	2.931	1.2754
CI-EML2-670-06	6	429	516	269	3.517	1.2754
CI-EML2-670-07	7	496	602	314	4.103	1.2754
CI-EML2-670-08	8	562	689	359	4.689	1.2754
CI-EML2-670-09	9	629	775	404	5.275	1.2754
CI-EML2-670-10	10	695	861	449	5.861	1.2754
CI-EML2-670-11	11	762	947	493	6.447	1.2754
CI-EML2-670-12	12	828	1033	538	7.033	1.2754
CI-EML2-670-13	13	895	1119	583	7.619	1.2754
CI-EML2-670-14	14	961	1205	628	8.205	1.2754
CI-EML2-670-15	15	1028	1291	673	8.792	1.2754
CI-EML2-670-16	16	1094	1377	718	9.378	1.2754
CI-EML2-670-17	17	1161	1463	763	9.964	1.2754
CI-EML2-670-18	18	1227	1549	808	10.550	1.2754
CI-EML2-670-19	19	1294	1635	852	11.136	1.2754
CI-EML2-670-20	20	1360	1721	897	11.722	1.2754
CI-EML2-670-21	21	1427	1807	942	12.308	1.2754
CI-EML2-670-22	22	1493	1893	987	12.894	1.2754
CI-EML2-670-23	23	1560	1980	1032	13.480	1.2754
CI-EML2-670-24	24	1626	2066	1077	14.066	1.2754
CI-EML2-670-25	25	1693	2152	1122	14.653	1.2754
CI-EML2-670-26	26	1759	2238	1166	15.239	1.2754
CI-EML2-670-27	27	1826	2324	1211	15.825	1.2754
CI-EML2-670-28	28	1892	2410	1256	16.411	1.2754
CI-EML2-670-29	29	1959	2496	1301	16.997	1.2754
CI-EML2-670-30	30	2025	2582	1346	17.583	1.2754
CI-EML2-670-31	31	2092	2668	1391	18.169	1.2754
CI-EML2-670-32	32	2158	2754	1436	18.755	1.2754
CI-EML2-670-33	33	2225	2840	1480	19.341	1.2754
CI-EML2-670-34	34	2291	2926	1525	19.927	1.2754
CI-EML2-670-35	35	2358	3012	1570	20.514	1.2754
CI-EML2-670-36	36	2424	3098	1615	21.100	1.2754
CI-EML2-670-37	37	2491	3184	1660	21.686	1.2754
CI-EML2-670-38	38	2557	3271	1705	22.272	1.2754
CI-EML2-670-39	39	2624	3357	1750	22.858	1.2754
CI-EML2-670-40	40	2690	3443	1795	23.444	1.2754