Declaration of Performance

No. 202209-1084

Emmeline II 470mm

Unique product code:	CI-EML2-470
Type, batch or serial number:	CI-EML2-470
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	EN 442-1:2014
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]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \bullet \Delta T^{n}$. See appendix for factor Km 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
27th November 2026



Castrads®

Appendix to DOP No. 202209-1084: Dimensions and thermal outputs

Panel dimensions: 470mm 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-EML2-470-03	3	230	183	95	1.250	1.2742
CI-EML2-470-04	4	296	244	127	1.666	1.2742
CI-EML2-470-05	5	363	304	159	2.083	1.2742
CI-EML2-470-06	6	429	365	191	2.499	1.2742
CI-EML2-470-07	7	496	426	222	2.916	1.2742
CI-EML2-470-08	8	562	487	254	3.332	1.2742
CI-EML2-470-09	9	629	548	286	3.749	1.2742
CI-EML2-470-10	10	695	609	318	4.166	1.2742
CI-EML2-470-11	11	762	670	349	4.582	1.2742
CI-EML2-470-12	12	828	731	381	4.999	1.2742
CI-EML2-470-13	13	895	791	413	5.415	1.2742
CI-EML2-470-14	14	961	852	445	5.832	1.2742
CI-EML2-470-15	15	1028	913	476	6.248	1.2742
CI-EML2-470-16	16	1094	974	508	6.665	1.2742
CI-EML2-470-17	17	1161	1035	540	7.082	1.2742
CI-EML2-470-18	18	1227	1096	572	7.498	1.2742
CI-EML2-470-19	19	1294	1157	603	7.915	1.2742
CI-EML2-470-20	20	1360	1218	635	8.331	1.2742
CI-EML2-470-21	21	1427	1279	667	8.748	1.2742
CI-EML2-470-22	22	1493	1339	699	9.164	1.2742
CI-EML2-470-23	23	1560	1400	730	9.581	1.2742
CI-EML2-470-24	24	1626	1461	762	9.997	1.2742
CI-EML2-470-25	25	1693	1522	794	10.414	1.2742
CI-EML2-470-26	26	1759	1583	826	10.831	1.2742
CI-EML2-470-27	27	1826	1644	857	11.247	1.2742
CI-EML2-470-28	28	1892	1705	889	11.664	1.2742
CI-EML2-470-29	29	1959	1766	921	12.080	1.2742
CI-EML2-470-30	30	2025	1827	953	12.497	1.2742
CI-EML2-470-31	31	2092	1887	984	12.913	1.2742
CI-EML2-470-32	32	2158	1948	1016	13.330	1.2742
CI-EML2-470-33	33	2225	2009	1048	13.746	1.2742
CI-EML2-470-34	34	2291	2070	1080	14.163	1.2742
CI-EML2-470-35	35	2358	2131	1111	14.580	1.2742
CI-EML2-470-36	36	2424	2192	1143	14.996	1.2742
CI-EML2-470-37	37	2491	2253	1175	15.413	1.2742
CI-EML2-470-38	38	2557	2314	1207	15.829	1.2742
CI-EML2-470-39	39	2624	2374	1238	16.246	1.2742
CI-EML2-470-40	40	2690	2435	1270	16.662	1.2742