Declaration of Performance

No. 202309-1089

Emmeline III 870mm

Unique product code:	CI-EML3-870
Type, batch or serial number:	CI-EML3-870
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
16th October 2026

Castrads®

Appendix to DOP No. 202309-1089: Dimensions and thermal outputs

Panel dimensions: 870mm high when floor standing, 230mm 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-EML3-870-03	3	230	442	229	2.813	1.2930
CI-EML3-870-04	4	296	590	305	3.750	1.2930
CI-EML3-870-05	5	363	737	381	4.688	1.2930
CI-EML3-870-06	6	429	885	457	5.626	1.2930
CI-EML3-870-07	7	496	1032	533	6.563	1.2930
CI-EML3-870-08	8	562	1180	610	7.501	1.2930
CI-EML3-870-09	9	629	1327	686	8.438	1.2930
CI-EML3-870-10	10	695	1475	762	9.376	1.2930
CI-EML3-870-11	11	762	1622	838	10.314	1.2930
CI-EML3-870-12	12	828	1770	914	11.251	1.2930
CI-EML3-870-13	13	895	1917	991	12.189	1.2930
CI-EML3-870-14	14	961	2065	1067	13.126	1.2930
CI-EML3-870-15	15	1028	2212	1143	14.064	1.2930
CI-EML3-870-16	16	1094	2360	1219	15.002	1.2930
CI-EML3-870-17	17	1161	2507	1295	15.939	1.2930
CI-EML3-870-18	18	1227	2655	1372	16.877	1.2930
CI-EML3-870-19	19	1294	2802	1448	17.814	1.2930
CI-EML3-870-20	20	1360	2950	1524	18.752	1.2930
CI-EML3-870-21	21	1427	3097	1600	19.690	1.2930
CI-EML3-870-22	22	1493	3245	1676	20.627	1.2930
CI-EML3-870-23	23	1560	3392	1753	21.565	1.2930
CI-EML3-870-24	24	1626	3540	1829	22.502	1.2930
CI-EML3-870-25	25	1693	3687	1905	23.440	1.2930
CI-EML3-870-26	26	1759	3835	1981	24.378	1.2930
CI-EML3-870-27	27	1826	3982	2057	25.315	1.2930
CI-EML3-870-28	28	1892	4130	2134	26.253	1.2930
CI-EML3-870-29	29	1959	4277	2210	27.190	1.2930
CI-EML3-870-30	30	2025	4425	2286	28.128	1.2930
CI-EML3-870-31	31	2092	4572	2362	29.066	1.2930
CI-EML3-870-32	32	2158	4720	2438	30.003	1.2930
CI-EML3-870-33	33	2225	4867	2514	30.941	1.2930
CI-EML3-870-34	34	2291	5015	2591	31.878	1.2930
CI-EML3-870-35	35	2358	5162	2667	32.816	1.2930
CI-EML3-870-36	36	2424	5310	2743	33.754	1.2930
CI-EML3-870-37	37	2491	5457	2819	34.691	1.2930
CI-EML3-870-38	38	2557	5605	2895	35.629	1.2930
CI-EML3-870-39	39	2624	5752	2972	36.566	1.2930
CI-EML3-870-40	40	2690	5900	3048	37.504	1.2930