Declaration of Performance

No. 202201-1083

Emmeline I 865mm

Unique product code:	CI-EML1-865
Type, batch or serial number:	CI-EML1-865
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
31st October 2026



Castrads®

Appendix to DOP No. 202201-1083: Dimensions and thermal outputs

Panel dimensions: 865mm high when floor standing, 110mm 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-EML1-865-03	3	230	237	124	1.627	1.2737
CI-EML1-865-04	4	296	316	165	2.169	1.2737
CI-EML1-865-05	5	363	395	206	2.711	1.2737
CI-EML1-865-06	6	429	475	248	3.253	1.2737
CI-EML1-865-07	7	496	554	289	3.795	1.2737
CI-EML1-865-08	8	562	633	330	4.337	1.2737
CI-EML1-865-09	9	629	712	371	4.880	1.2737
CI-EML1-865-10	10	695	791	413	5.422	1.2737
CI-EML1-865-11	11	762	870	454	5.964	1.2737
CI-EML1-865-12	12	828	949	495	6.506	1.2737
CI-EML1-865-13	13	895	1028	536	7.048	1.2737
CI-EML1-865-14	14	961	1107	578	7.590	1.2737
CI-EML1-865-15	15	1028	1186	619	8.133	1.2737
CI-EML1-865-16	16	1094	1265	660	8.675	1.2737
CI-EML1-865-17	17	1161	1345	701	9.217	1.2737
CI-EML1-865-18	18	1227	1424	743	9.759	1.2737
CI-EML1-865-19	19	1294	1503	784	10.301	1.2737
CI-EML1-865-20	20	1360	1582	825	10.843	1.2737
CI-EML1-865-21	21	1427	1661	866	11.386	1.2737
CI-EML1-865-22	22	1493	1740	908	11.928	1.2737
CI-EML1-865-23	23	1560	1819	949	12.470	1.2737
CI-EML1-865-24	24	1626	1898	990	13.012	1.2737
CI-EML1-865-25	25	1693	1977	1032	13.554	1.2737
CI-EML1-865-26	26	1759	2056	1073	14.096	1.2737
CI-EML1-865-27	27	1826	2135	1114	14.639	1.2737
CI-EML1-865-28	28	1892	2214	1155	15.181	1.2737
CI-EML1-865-29	29	1959	2294	1197	15.723	1.2737
CI-EML1-865-30	30	2025	2373	1238	16.265	1.2737
CI-EML1-865-31	31	2092	2452	1279	16.807	1.2737
CI-EML1-865-32	32	2158	2531	1320	17.349	1.2737
CI-EML1-865-33	33	2225	2610	1362	17.892	1.2737
CI-EML1-865-34	34	2291	2689	1403	18.434	1.2737
CI-EML1-865-35	35	2358	2768	1444	18.976	1.2737
CI-EML1-865-36	36	2424	2847	1485	19.518	1.2737
CI-EML1-865-37	37	2491	2926	1527	20.060	1.2737
CI-EML1-865-38	38	2557	3005	1568	20.602	1.2737
CI-EML1-865-39	39	2624	3084	1609	21.145	1.2737
CI-EML1-865-40	40	2690	3164	1650	21.687	1.2737