



# Castrads®

## Declaration of Performance

No. 202201-1083

Emmeline I 865mm

<b>Unique product code:</b>	CI-EML1-865
<b>Type, batch or serial number:</b>	CI-EML1-865
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Limited 1 Kenwood Road Stockport, SK5 6PH United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire, RG12 7AH United Kingdom
<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 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	EN 442-1:2014
Rated thermal outputs	Maximum operating pressure: 1000 [kPa]	
Thermal output in different operating conditions (characteristic curve)	See appendix 1	
Resistance against corrosion:	$\phi = K_m \cdot \Delta T^n$ . See appendix for factor $K_m$ and exponent $n$	
Resistance against minor impact:	No corrosion after 100h humidity	
	Class 0	

### Signed for and on behalf of the manufacturer by:

Nick Baylis  
CEO  
Stockport, England  
28th June 2025

## 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	Number of sections	Length, mm	Output (Watts, $\Delta T50$ )	Output (Watts, $\Delta T30$ )	Factor, Km	Exponent, n
CI-EML1-865-03	3	230	237	123	1.627	1.2737
CI-EML1-865-04	4	296	316	164	2.169	1.2737
CI-EML1-865-05	5	363	396	205	2.711	1.2737
CI-EML1-865-06	6	429	475	246	3.253	1.2737
CI-EML1-865-07	7	496	554	287	3.795	1.2737
CI-EML1-865-08	8	562	633	328	4.337	1.2737
CI-EML1-865-09	9	629	712	369	4.880	1.2737
CI-EML1-865-10	10	695	791	410	5.422	1.2737
CI-EML1-865-11	11	762	870	451	5.964	1.2737
CI-EML1-865-12	12	828	949	492	6.506	1.2737
CI-EML1-865-13	13	895	1028	533	7.048	1.2737
CI-EML1-865-14	14	961	1107	574	7.590	1.2737
CI-EML1-865-15	15	1028	1187	615	8.133	1.2737
CI-EML1-865-16	16	1094	1266	656	8.675	1.2737
CI-EML1-865-17	17	1161	1345	697	9.217	1.2737
CI-EML1-865-18	18	1227	1424	738	9.759	1.2737
CI-EML1-865-19	19	1294	1503	779	10.301	1.2737
CI-EML1-865-20	20	1360	1582	820	10.843	1.2737
CI-EML1-865-21	21	1427	1661	861	11.386	1.2737
CI-EML1-865-22	22	1493	1740	902	11.928	1.2737
CI-EML1-865-23	23	1560	1819	943	12.470	1.2737
CI-EML1-865-24	24	1626	1898	984	13.012	1.2737
CI-EML1-865-25	25	1693	1978	1025	13.554	1.2737
CI-EML1-865-26	26	1759	2057	1066	14.096	1.2737
CI-EML1-865-27	27	1826	2136	1107	14.639	1.2737
CI-EML1-865-28	28	1892	2215	1148	15.181	1.2737
CI-EML1-865-29	29	1959	2294	1189	15.723	1.2737
CI-EML1-865-30	30	2025	2373	1230	16.265	1.2737
CI-EML1-865-31	31	2092	2452	1271	16.807	1.2737
CI-EML1-865-32	32	2158	2531	1312	17.349	1.2737
CI-EML1-865-33	33	2225	2610	1353	17.892	1.2737
CI-EML1-865-34	34	2291	2689	1394	18.434	1.2737
CI-EML1-865-35	35	2358	2769	1435	18.976	1.2737
CI-EML1-865-36	36	2424	2848	1476	19.518	1.2737
CI-EML1-865-37	37	2491	2927	1517	20.060	1.2737
CI-EML1-865-38	38	2557	3006	1558	20.602	1.2737
CI-EML1-865-39	39	2624	3085	1599	21.145	1.2737
CI-EML1-865-40	40	2690	3164	1640	21.687	1.2737