



# Castrads®

## Declaration of Performance

No. 202201-1082

Emmeline I 665mm

<b>Unique product code:</b>	CI-EML1-665
<b>Type, batch or serial number:</b>	CI-EML1-665
<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. 202201-1082: Dimensions and thermal outputs

Panel dimensions: 665mm 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-EML1-665-03	3	230	187	99	1.355	1.2598
CI-EML1-665-04	4	296	250	132	1.806	1.2598
CI-EML1-665-05	5	363	312	165	2.258	1.2598
CI-EML1-665-06	6	429	374	198	2.710	1.2598
CI-EML1-665-07	7	496	437	231	3.161	1.2598
CI-EML1-665-08	8	562	499	264	3.613	1.2598
CI-EML1-665-09	9	629	562	297	4.064	1.2598
CI-EML1-665-10	10	695	624	330	4.516	1.2598
CI-EML1-665-11	11	762	686	363	4.967	1.2598
CI-EML1-665-12	12	828	749	396	5.419	1.2598
CI-EML1-665-13	13	895	811	429	5.871	1.2598
CI-EML1-665-14	14	961	874	462	6.322	1.2598
CI-EML1-665-15	15	1028	936	495	6.774	1.2598
CI-EML1-665-16	16	1094	998	528	7.225	1.2598
CI-EML1-665-17	17	1161	1061	561	7.677	1.2598
CI-EML1-665-18	18	1227	1123	594	8.129	1.2598
CI-EML1-665-19	19	1294	1186	627	8.580	1.2598
CI-EML1-665-20	20	1360	1248	660	9.032	1.2598
CI-EML1-665-21	21	1427	1310	693	9.483	1.2598
CI-EML1-665-22	22	1493	1373	726	9.935	1.2598
CI-EML1-665-23	23	1560	1435	759	10.387	1.2598
CI-EML1-665-24	24	1626	1498	792	10.838	1.2598
CI-EML1-665-25	25	1693	1560	825	11.290	1.2598
CI-EML1-665-26	26	1759	1622	858	11.741	1.2598
CI-EML1-665-27	27	1826	1685	891	12.193	1.2598
CI-EML1-665-28	28	1892	1747	924	12.645	1.2598
CI-EML1-665-29	29	1959	1810	957	13.096	1.2598
CI-EML1-665-30	30	2025	1872	990	13.548	1.2598
CI-EML1-665-31	31	2092	1934	1023	13.999	1.2598
CI-EML1-665-32	32	2158	1997	1056	14.451	1.2598
CI-EML1-665-33	33	2225	2059	1089	14.902	1.2598
CI-EML1-665-34	34	2291	2122	1122	15.354	1.2598
CI-EML1-665-35	35	2358	2184	1155	15.806	1.2598
CI-EML1-665-36	36	2424	2246	1188	16.257	1.2598
CI-EML1-665-37	37	2491	2309	1221	16.709	1.2598
CI-EML1-665-38	38	2557	2371	1254	17.160	1.2598
CI-EML1-665-39	39	2624	2434	1287	17.612	1.2598
CI-EML1-665-40	40	2690	2496	1320	18.064	1.2598