Declaration of Performance

No. 202201-1082

Emmeline I 665mm

Unique product code:	CI-EML1-665
Type, batch or serial number:	CI-EML1-665
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
30th October 2026



Castrads®

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	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	Factor, Km	Exponent, n
CI-EML1-665-03	3	230	187	98	1.355	1.2598
CI-EML1-665-04	4	296	250	131	1.806	1.2598
CI-EML1-665-05	5	363	312	164	2.258	1.2598
CI-EML1-665-06	6	429	374	197	2.710	1.2598
CI-EML1-665-07	7	496	437	229	3.161	1.2598
CI-EML1-665-08	8	562	499	262	3.613	1.2598
CI-EML1-665-09	9	629	561	295	4.064	1.2598
CI-EML1-665-10	10	695	624	328	4.516	1.2598
CI-EML1-665-11	11	762	686	361	4.967	1.2598
CI-EML1-665-12	12	828	749	393	5.419	1.2598
CI-EML1-665-13	13	895	811	426	5.871	1.2598
CI-EML1-665-14	14	961	873	459	6.322	1.2598
CI-EML1-665-15	15	1028	936	492	6.774	1.2598
CI-EML1-665-16	16	1094	998	524	7.225	1.2598
CI-EML1-665-17	17	1161	1061	557	7.677	1.2598
CI-EML1-665-18	18	1227	1123	590	8.129	1.2598
CI-EML1-665-19	19	1294	1185	623	8.580	1.2598
CI-EML1-665-20	20	1360	1248	656	9.032	1.2598
CI-EML1-665-21	21	1427	1310	688	9.483	1.2598
CI-EML1-665-22	22	1493	1373	721	9.935	1.2598
CI-EML1-665-23	23	1560	1435	754	10.387	1.2598
CI-EML1-665-24	24	1626	1497	787	10.838	1.2598
CI-EML1-665-25	25	1693	1560	820	11.290	1.2598
CI-EML1-665-26	26	1759	1622	852	11.741	1.2598
CI-EML1-665-27	27	1826	1684	885	12.193	1.2598
CI-EML1-665-28	28	1892	1747	918	12.645	1.2598
CI-EML1-665-29	29	1959	1809	951	13.096	1.2598
CI-EML1-665-30	30	2025	1872	983	13.548	1.2598
CI-EML1-665-31	31	2092	1934	1016	13.999	1.2598
CI-EML1-665-32	32	2158	1996	1049	14.451	1.2598
CI-EML1-665-33	33	2225	2059	1082	14.902	1.2598
CI-EML1-665-34	34	2291	2121	1115	15.354	1.2598
CI-EML1-665-35	35	2358	2184	1147	15.806	1.2598
CI-EML1-665-36	36	2424	2246	1180	16.257	1.2598
CI-EML1-665-37	37	2491	2308	1213	16.709	1.2598
CI-EML1-665-38	38	2557	2371	1246	17.160	1.2598
CI-EML1-665-39	39	2624	2433	1278	17.612	1.2598
CI-EML1-665-40	40	2690	2496	1311	18.064	1.2598