Declaration of Performance

No. 202209-1085

Emmeline II 670mm

Unique product code:	CI-EML2-670
Type, batch or serial number:	CI-EML2-670
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. 202209-1085: Dimensions and thermal outputs

Panel dimensions: 670mm high when floor standing, 170mm 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-EML2-670-03	3	230	261	137	1.856	1.2642
CI-EML2-670-04	4	296	348	182	2.474	1.2642
CI-EML2-670-05	5	363	435	228	3.093	1.2642
CI-EML2-670-06	6	429	522	273	3.711	1.2642
CI-EML2-670-07	7	496	609	319	4.330	1.2642
CI-EML2-670-08	8	562	695	365	4.948	1.2642
CI-EML2-670-09	9	629	782	410	5.567	1.2642
CI-EML2-670-10	10	695	869	456	6.185	1.2642
CI-EML2-670-11	11	762	956	501	6.804	1.2642
CI-EML2-670-12	12	828	1043	547	7.422	1.2642
CI-EML2-670-13	13	895	1130	592	8.041	1.2642
CI-EML2-670-14	14	961	1217	638	8.659	1.2642
CI-EML2-670-15	15	1028	1304	684	9.278	1.2642
CI-EML2-670-16	16	1094	1391	729	9.896	1.2642
CI-EML2-670-17	17	1161	1478	775	10.515	1.2642
CI-EML2-670-18	18	1227	1565	820	11.134	1.2642
CI-EML2-670-19	19	1294	1652	866	11.752	1.2642
CI-EML2-670-20	20	1360	1739	912	12.371	1.2642
CI-EML2-670-21	21	1427	1826	957	12.989	1.2642
CI-EML2-670-22	22	1493	1913	1003	13.608	1.2642
CI-EML2-670-23	23	1560	2000	1048	14.226	1.2642
CI-EML2-670-24	24	1626	2086	1094	14.845	1.2642
CI-EML2-670-25	25	1693	2173	1139	15.463	1.2642
CI-EML2-670-26	26	1759	2260	1185	16.082	1.2642
CI-EML2-670-27	27	1826	2347	1231	16.700	1.2642
CI-EML2-670-28	28	1892	2434	1276	17.319	1.2642
CI-EML2-670-29	29	1959	2521	1322	17.937	1.2642
CI-EML2-670-30	30	2025	2608	1367	18.556	1.2642
CI-EML2-670-31	31	2092	2695	1413	19.174	1.2642
CI-EML2-670-32	32	2158	2782	1458	19.793	1.2642
CI-EML2-670-33	33	2225	2869	1504	20.411	1.2642
CI-EML2-670-34	34	2291	2956	1550	21.030	1.2642
CI-EML2-670-35	35	2358	3043	1595	21.649	1.2642
CI-EML2-670-36	36	2424	3130	1641	22.267	1.2642
CI-EML2-670-37	37	2491	3217	1686	22.886	1.2642
CI-EML2-670-38	38	2557	3304	1732	23.504	1.2642
CI-EML2-670-39	39	2624	3390	1777	24.123	1.2642
CI-EML2-670-40	40	2690	3477	1823	24.741	1.2642