



Castrads®

Declaration of Performance

No. 202309-1088

Emmeline III 670mm

Unique product code:	CI-EML3-670
Type, batch or serial number:	CI-EML3-670
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Limited 1 Kenwood Road Stockport, SK5 6PH United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire, RG12 7AH United Kingdom
Test report number:	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. 202309-1088: Dimensions and thermal outputs

Panel dimensions: 670mm high when floor standing, 230mm 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-EML3-670-03	3	230	337	174	2.176	1.2889
CI-EML3-670-04	4	296	449	232	2.901	1.2889
CI-EML3-670-05	5	363	562	290	3.626	1.2889
CI-EML3-670-06	6	429	674	348	4.351	1.2889
CI-EML3-670-07	7	496	786	406	5.076	1.2889
CI-EML3-670-08	8	562	898	464	5.802	1.2889
CI-EML3-670-09	9	629	1011	522	6.527	1.2889
CI-EML3-670-10	10	695	1123	580	7.252	1.2889
CI-EML3-670-11	11	762	1235	638	7.977	1.2889
CI-EML3-670-12	12	828	1348	696	8.702	1.2889
CI-EML3-670-13	13	895	1460	754	9.427	1.2889
CI-EML3-670-14	14	961	1572	812	10.153	1.2889
CI-EML3-670-15	15	1028	1685	870	10.878	1.2889
CI-EML3-670-16	16	1094	1797	928	11.603	1.2889
CI-EML3-670-17	17	1161	1909	986	12.328	1.2889
CI-EML3-670-18	18	1227	2021	1044	13.053	1.2889
CI-EML3-670-19	19	1294	2134	1102	13.779	1.2889
CI-EML3-670-20	20	1360	2246	1160	14.504	1.2889
CI-EML3-670-21	21	1427	2358	1218	15.229	1.2889
CI-EML3-670-22	22	1493	2471	1276	15.954	1.2889
CI-EML3-670-23	23	1560	2583	1334	16.679	1.2889
CI-EML3-670-24	24	1626	2695	1392	17.405	1.2889
CI-EML3-670-25	25	1693	2808	1450	18.130	1.2889
CI-EML3-670-26	26	1759	2920	1508	18.855	1.2889
CI-EML3-670-27	27	1826	3032	1566	19.580	1.2889
CI-EML3-670-28	28	1892	3144	1624	20.305	1.2889
CI-EML3-670-29	29	1959	3257	1682	21.031	1.2889
CI-EML3-670-30	30	2025	3369	1740	21.756	1.2889
CI-EML3-670-31	31	2092	3481	1798	22.481	1.2889
CI-EML3-670-32	32	2158	3594	1856	23.206	1.2889
CI-EML3-670-33	33	2225	3706	1914	23.931	1.2889
CI-EML3-670-34	34	2291	3818	1972	24.656	1.2889
CI-EML3-670-35	35	2358	3931	2030	25.382	1.2889
CI-EML3-670-36	36	2424	4043	2088	26.107	1.2889
CI-EML3-670-37	37	2491	4155	2146	26.832	1.2889
CI-EML3-670-38	38	2557	4267	2204	27.557	1.2889
CI-EML3-670-39	39	2624	4380	2262	28.282	1.2889
CI-EML3-670-40	40	2690	4492	2320	29.008	1.2889