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 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
17th November 2026



Castrads®

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	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	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	561	291	3.626	1.2889
CI-EML3-670-06	6	429	674	349	4.351	1.2889
CI-EML3-670-07	7	496	786	407	5.076	1.2889
CI-EML3-670-08	8	562	898	465	5.802	1.2889
CI-EML3-670-09	9	629	1010	523	6.527	1.2889
CI-EML3-670-10	10	695	1123	581	7.252	1.2889
CI-EML3-670-11	11	762	1235	639	7.977	1.2889
CI-EML3-670-12	12	828	1347	697	8.702	1.2889
CI-EML3-670-13	13	895	1459	756	9.427	1.2889
CI-EML3-670-14	14	961	1572	814	10.153	1.2889
CI-EML3-670-15	15	1028	1684	872	10.878	1.2889
CI-EML3-670-16	16	1094	1796	930	11.603	1.2889
CI-EML3-670-17	17	1161	1909	988	12.328	1.2889
CI-EML3-670-18	18	1227	2021	1046	13.053	1.2889
CI-EML3-670-19	19	1294	2133	1104	13.779	1.2889
CI-EML3-670-20	20	1360	2245	1162	14.504	1.2889
CI-EML3-670-21	21	1427	2358	1220	15.229	1.2889
CI-EML3-670-22	22	1493	2470	1279	15.954	1.2889
CI-EML3-670-23	23	1560	2582	1337	16.679	1.2889
CI-EML3-670-24	24	1626	2694	1395	17.405	1.2889
CI-EML3-670-25	25	1693	2807	1453	18.130	1.2889
CI-EML3-670-26	26	1759	2919	1511	18.855	1.2889
CI-EML3-670-27	27	1826	3031	1569	19.580	1.2889
CI-EML3-670-28	28	1892	3143	1627	20.305	1.2889
CI-EML3-670-29	29	1959	3256	1685	21.031	1.2889
CI-EML3-670-30	30	2025	3368	1744	21.756	1.2889
CI-EML3-670-31	31	2092	3480	1802	22.481	1.2889
CI-EML3-670-32	32	2158	3593	1860	23.206	1.2889
CI-EML3-670-33	33	2225	3705	1918	23.931	1.2889
CI-EML3-670-34	34	2291	3817	1976	24.656	1.2889
CI-EML3-670-35	35	2358	3929	2034	25.382	1.2889
CI-EML3-670-36	36	2424	4042	2092	26.107	1.2889
CI-EML3-670-37	37	2491	4154	2150	26.832	1.2889
CI-EML3-670-38	38	2557	4266	2208	27.557	1.2889
CI-EML3-670-39	39	2624	4378	2267	28.282	1.2889
CI-EML3-670-40	40	2690	4491	2325	29.008	1.2889