Declaration of Performance

No. 202611-1001

Emmeline II 770mm

Unique product code:	CI-EML2-770
Type, batch or serial number:	CI-EML2-770
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:	108783-2

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
18th November 2026



Castrads®

Appendix to DOP No. 202611-1001: Dimensions and thermal outputs

Panel dimensions: 770mm 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-EML2-770-03	3	230	297	155	1.996	1.2788
CI-EML2-770-04	4	296	396	206	2.661	1.2788
CI-EML2-770-05	5	363	495	258	3.327	1.2788
CI-EML2-770-06	6	429	594	309	3.992	1.2788
CI-EML2-770-07	7	496	693	361	4.657	1.2788
CI-EML2-770-08	8	562	792	412	5.322	1.2788
CI-EML2-770-09	9	629	891	464	5.988	1.2788
CI-EML2-770-10	10	695	990	515	6.653	1.2788
CI-EML2-770-11	11	762	1089	567	7.318	1.2788
CI-EML2-770-12	12	828	1188	618	7.984	1.2788
CI-EML2-770-13	13	895	1287	670	8.649	1.2788
CI-EML2-770-14	14	961	1386	721	9.314	1.2788
CI-EML2-770-15	15	1028	1485	773	9.980	1.2788
CI-EML2-770-16	16	1094	1584	824	10.645	1.2788
CI-EML2-770-17	17	1161	1683	876	11.310	1.2788
CI-EML2-770-18	18	1227	1782	927	11.975	1.2788
CI-EML2-770-19	19	1294	1881	979	12.641	1.2788
CI-EML2-770-20	20	1360	1980	1030	13.306	1.2788
CI-EML2-770-21	21	1427	2079	1082	13.971	1.2788
CI-EML2-770-22	22	1493	2178	1133	14.637	1.2788
CI-EML2-770-23	23	1560	2277	1185	15.302	1.2788
CI-EML2-770-24	24	1626	2376	1236	15.967	1.2788
CI-EML2-770-25	25	1693	2475	1288	16.633	1.2788
CI-EML2-770-26	26	1759	2574	1339	17.298	1.2788
CI-EML2-770-27	27	1826	2673	1391	17.963	1.2788
CI-EML2-770-28	28	1892	2772	1443	18.628	1.2788
CI-EML2-770-29	29	1959	2871	1494	19.294	1.2788
CI-EML2-770-30	30	2025	2970	1546	19.959	1.2788
CI-EML2-770-31	31	2092	3069	1597	20.624	1.2788
CI-EML2-770-32	32	2158	3168	1649	21.290	1.2788
CI-EML2-770-33	33	2225	3267	1700	21.955	1.2788
CI-EML2-770-34	34	2291	3366	1752	22.620	1.2788
CI-EML2-770-35	35	2358	3465	1803	23.286	1.2788
CI-EML2-770-36	36	2424	3564	1855	23.951	1.2788
CI-EML2-770-37	37	2491	3663	1906	24.616	1.2788
CI-EML2-770-38	38	2557	3762	1958	25.281	1.2788
CI-EML2-770-39	39	2624	3861	2009	25.947	1.2788
CI-EML2-770-40	40	2690	3960	2061	26.612	1.2788