



Castrads®

Declaration of Performance

No. 202309-1087

Emmeline III 470mm

Unique product code:	CI-EML3-470
Type, batch or serial number:	CI-EML3-470
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. 202309-1087: Dimensions and thermal outputs

Panel dimensions: 470mm 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-EML3-470-03	3	230	244	129	1.727	1.265
CI-EML3-470-04	4	296	325	172	2.303	1.265
CI-EML3-470-05	5	363	406	215	2.879	1.265
CI-EML3-470-06	6	429	487	258	3.455	1.265
CI-EML3-470-07	7	496	568	301	4.030	1.265
CI-EML3-470-08	8	562	650	344	4.606	1.265
CI-EML3-470-09	9	629	731	387	5.182	1.265
CI-EML3-470-10	10	695	812	430	5.758	1.265
CI-EML3-470-11	11	762	893	473	6.333	1.265
CI-EML3-470-12	12	828	974	516	6.909	1.265
CI-EML3-470-13	13	895	1056	559	7.485	1.265
CI-EML3-470-14	14	961	1137	602	8.061	1.265
CI-EML3-470-15	15	1028	1218	645	8.636	1.265
CI-EML3-470-16	16	1094	1299	688	9.212	1.265
CI-EML3-470-17	17	1161	1380	731	9.788	1.265
CI-EML3-470-18	18	1227	1462	774	10.364	1.265
CI-EML3-470-19	19	1294	1543	817	10.939	1.265
CI-EML3-470-20	20	1360	1624	860	11.515	1.265
CI-EML3-470-21	21	1427	1705	903	12.091	1.265
CI-EML3-470-22	22	1493	1786	946	12.667	1.265
CI-EML3-470-23	23	1560	1868	989	13.242	1.265
CI-EML3-470-24	24	1626	1949	1032	13.818	1.265
CI-EML3-470-25	25	1693	2030	1075	14.394	1.265
CI-EML3-470-26	26	1759	2111	1118	14.970	1.265
CI-EML3-470-27	27	1826	2192	1161	15.545	1.265
CI-EML3-470-28	28	1892	2274	1204	16.121	1.265
CI-EML3-470-29	29	1959	2355	1247	16.697	1.265
CI-EML3-470-30	30	2025	2436	1290	17.273	1.265
CI-EML3-470-31	31	2092	2517	1333	17.848	1.265
CI-EML3-470-32	32	2158	2598	1376	18.424	1.265
CI-EML3-470-33	33	2225	2680	1419	19.000	1.265
CI-EML3-470-34	34	2291	2761	1462	19.576	1.265
CI-EML3-470-35	35	2358	2842	1505	20.151	1.265
CI-EML3-470-36	36	2424	2923	1548	20.727	1.265
CI-EML3-470-37	37	2491	3004	1591	21.303	1.265
CI-EML3-470-38	38	2557	3086	1634	21.879	1.265
CI-EML3-470-39	39	2624	3167	1677	22.454	1.265
CI-EML3-470-40	40	2690	3248	1720	23.030	1.265