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 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
13th November 2026



Castrads®

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	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	Factor, Km	Exponent, n
CI-EML3-470-03	3	230	244	128	1.727	1.2650
CI-EML3-470-04	4	296	325	170	2.303	1.2650
CI-EML3-470-05	5	363	406	213	2.879	1.2650
CI-EML3-470-06	6	429	487	255	3.455	1.2650
CI-EML3-470-07	7	496	568	298	4.030	1.2650
CI-EML3-470-08	8	562	649	340	4.606	1.2650
CI-EML3-470-09	9	629	731	383	5.182	1.2650
CI-EML3-470-10	10	695	812	425	5.758	1.2650
CI-EML3-470-11	11	762	893	468	6.333	1.2650
CI-EML3-470-12	12	828	974	510	6.909	1.2650
CI-EML3-470-13	13	895	1055	553	7.485	1.2650
CI-EML3-470-14	14	961	1136	596	8.061	1.2650
CI-EML3-470-15	15	1028	1218	638	8.636	1.2650
CI-EML3-470-16	16	1094	1299	681	9.212	1.2650
CI-EML3-470-17	17	1161	1380	723	9.788	1.2650
CI-EML3-470-18	18	1227	1461	766	10.364	1.2650
CI-EML3-470-19	19	1294	1542	808	10.939	1.2650
CI-EML3-470-20	20	1360	1624	851	11.515	1.2650
CI-EML3-470-21	21	1427	1705	893	12.091	1.2650
CI-EML3-470-22	22	1493	1786	936	12.667	1.2650
CI-EML3-470-23	23	1560	1867	978	13.242	1.2650
CI-EML3-470-24	24	1626	1948	1021	13.818	1.2650
CI-EML3-470-25	25	1693	2029	1063	14.394	1.2650
CI-EML3-470-26	26	1759	2111	1106	14.970	1.2650
CI-EML3-470-27	27	1826	2192	1149	15.545	1.2650
CI-EML3-470-28	28	1892	2273	1191	16.121	1.2650
CI-EML3-470-29	29	1959	2354	1234	16.697	1.2650
CI-EML3-470-30	30	2025	2435	1276	17.273	1.2650
CI-EML3-470-31	31	2092	2516	1319	17.848	1.2650
CI-EML3-470-32	32	2158	2598	1361	18.424	1.2650
CI-EML3-470-33	33	2225	2679	1404	19.000	1.2650
CI-EML3-470-34	34	2291	2760	1446	19.576	1.2650
CI-EML3-470-35	35	2358	2841	1489	20.151	1.2650
CI-EML3-470-36	36	2424	2922	1531	20.727	1.2650
CI-EML3-470-37	37	2491	3004	1574	21.303	1.2650
CI-EML3-470-38	38	2557	3085	1617	21.879	1.2650
CI-EML3-470-39	39	2624	3166	1659	22.454	1.2650
CI-EML3-470-40	40	2690	3247	1702	23.030	1.2650