Declaration of Performance

No. 202009-1102

Mercury 4 Column 460mm

Unique product code:	CI-M4C-460
Type, batch or serial number:	CI-M4C-460
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:	61431

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. 202009-1102: Dimensions and thermal outputs

Panel dimensions: 460mm high when floor standing, 140mm 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-M4C-460-03	3	205	173	92	1.375	1.2357
CI-M4C-460-04	4	263	230	123	1.833	1.2357
CI-M4C-460-05	5	322	288	153	2.292	1.2357
CI-M4C-460-06	6	380	346	184	2.750	1.2357
CI-M4C-460-07	7	438	403	215	3.208	1.2357
CI-M4C-460-08	8	496	461	245	3.666	1.2357
CI-M4C-460-09	9	555	519	276	4.125	1.2357
CI-M4C-460-10	10	613	576	306	4.583	1.2357
CI-M4C-460-11	11	671	634	337	5.041	1.2357
CI-M4C-460-12	12	730	691	368	5.500	1.2357
CI-M4C-460-13	13	788	749	398	5.958	1.2357
CI-M4C-460-14	14	846	807	429	6.416	1.2357
CI-M4C-460-15	15	905	864	460	6.875	1.2357
CI-M4C-460-16	16	963	922	490	7.333	1.2357
CI-M4C-460-17	17	1021	980	521	7.791	1.2357
CI-M4C-460-18	18	1079	1037	552	8.249	1.2357
CI-M4C-460-19	19	1138	1095	582	8.708	1.2357
CI-M4C-460-20	20	1196	1152	613	9.166	1.2357
CI-M4C-460-21	21	1254	1210	644	9.624	1.2357
CI-M4C-460-22	22	1313	1268	674	10.083	1.2357
CI-M4C-460-23	23	1371	1325	705	10.541	1.2357
CI-M4C-460-24	24	1429	1383	736	10.999	1.2357
CI-M4C-460-25	25	1488	1440	766	11.458	1.2357
CI-M4C-460-26	26	1546	1498	797	11.916	1.2357
CI-M4C-460-27	27	1604	1556	828	12.374	1.2357
CI-M4C-460-28	28	1662	1613	858	12.832	1.2357
CI-M4C-460-29	29	1721	1671	889	13.291	1.2357
CI-M4C-460-30	30	1779	1729	919	13.749	1.2357
CI-M4C-460-31	31	1837	1786	950	14.207	1.2357
CI-M4C-460-32	32	1896	1844	981	14.666	1.2357
CI-M4C-460-33	33	1954	1901	1011	15.124	1.2357
CI-M4C-460-34	34	2012	1959	1042	15.582	1.2357
CI-M4C-460-35	35	2071	2017	1073	16.041	1.2357
CI-M4C-460-36	36	2129	2074	1103	16.499	1.2357
CI-M4C-460-37	37	2187	2132	1134	16.957	1.2357
CI-M4C-460-38	38	2245	2190	1165	17.415	1.2357
CI-M4C-460-39	39	2304	2247	1195	17.874	1.2357
CI-M4C-460-40	40	2362	2305	1226	18.332	1.2357