

 **Castrads**[®]
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	
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]	EN 442-1:2014
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$. See appendix for factor K_m 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
16th May 2026





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	174	93	1.438	1.2262
CI-M4C-460-04	4	263	232	124	1.917	1.2262
CI-M4C-460-05	5	322	290	155	2.396	1.2262
CI-M4C-460-06	6	380	348	186	2.876	1.2262
CI-M4C-460-07	7	438	406	217	3.355	1.2262
CI-M4C-460-08	8	496	464	248	3.834	1.2262
CI-M4C-460-09	9	555	523	279	4.313	1.2262
CI-M4C-460-10	10	613	581	310	4.793	1.2262
CI-M4C-460-11	11	671	639	341	5.272	1.2262
CI-M4C-460-12	12	730	697	372	5.751	1.2262
CI-M4C-460-13	13	788	755	403	6.230	1.2262
CI-M4C-460-14	14	846	813	434	6.710	1.2262
CI-M4C-460-15	15	905	871	465	7.189	1.2262
CI-M4C-460-16	16	963	929	497	7.668	1.2262
CI-M4C-460-17	17	1021	987	528	8.147	1.2262
CI-M4C-460-18	18	1079	1045	559	8.627	1.2262
CI-M4C-460-19	19	1138	1103	590	9.106	1.2262
CI-M4C-460-20	20	1196	1161	621	9.585	1.2262
CI-M4C-460-21	21	1254	1219	652	10.065	1.2262
CI-M4C-460-22	22	1313	1277	683	10.544	1.2262
CI-M4C-460-23	23	1371	1335	714	11.023	1.2262
CI-M4C-460-24	24	1429	1393	745	11.502	1.2262
CI-M4C-460-25	25	1488	1451	776	11.982	1.2262
CI-M4C-460-26	26	1546	1509	807	12.461	1.2262
CI-M4C-460-27	27	1604	1568	838	12.940	1.2262
CI-M4C-460-28	28	1662	1626	869	13.419	1.2262
CI-M4C-460-29	29	1721	1684	900	13.899	1.2262
CI-M4C-460-30	30	1779	1742	931	14.378	1.2262
CI-M4C-460-31	31	1837	1800	962	14.857	1.2262
CI-M4C-460-32	32	1896	1858	993	15.336	1.2262
CI-M4C-460-33	33	1954	1916	1024	15.816	1.2262
CI-M4C-460-34	34	2012	1974	1055	16.295	1.2262
CI-M4C-460-35	35	2071	2032	1086	16.774	1.2262
CI-M4C-460-36	36	2129	2090	1117	17.253	1.2262
CI-M4C-460-37	37	2187	2148	1148	17.733	1.2262
CI-M4C-460-38	38	2245	2206	1179	18.212	1.2262
CI-M4C-460-39	39	2304	2264	1210	18.691	1.2262
CI-M4C-460-40	40	2362	2322	1241	19.171	1.2262