

Castrads®

Declaration of Performance

No. 202009-1103

Mercury 4 Column 560mm

Unique product code:	CI-M4C-560
Type, batch or serial number:	CI-M4C-560
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:	101885/3

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
1st May 2026





Appendix to DOP No. 202009-1103: Dimensions and thermal outputs

Panel dimensions: 560mm 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-560-03	3	205	208	107	1.288	1.2999
CI-M4C-560-04	4	263	278	143	1.718	1.2999
CI-M4C-560-05	5	322	347	179	2.147	1.2999
CI-M4C-560-06	6	380	416	214	2.576	1.2999
CI-M4C-560-07	7	438	486	250	3.006	1.2999
CI-M4C-560-08	8	496	555	286	3.435	1.2999
CI-M4C-560-09	9	555	625	322	3.865	1.2999
CI-M4C-560-10	10	613	694	357	4.294	1.2999
CI-M4C-560-11	11	671	763	393	4.723	1.2999
CI-M4C-560-12	12	730	833	429	5.153	1.2999
CI-M4C-560-13	13	788	902	464	5.582	1.2999
CI-M4C-560-14	14	846	972	500	6.012	1.2999
CI-M4C-560-15	15	905	1041	536	6.441	1.2999
CI-M4C-560-16	16	963	1110	572	6.870	1.2999
CI-M4C-560-17	17	1021	1180	607	7.300	1.2999
CI-M4C-560-18	18	1079	1249	643	7.729	1.2999
CI-M4C-560-19	19	1138	1319	679	8.159	1.2999
CI-M4C-560-20	20	1196	1388	714	8.588	1.2999
CI-M4C-560-21	21	1254	1457	750	9.017	1.2999
CI-M4C-560-22	22	1313	1527	786	9.447	1.2999
CI-M4C-560-23	23	1371	1596	822	9.876	1.2999
CI-M4C-560-24	24	1429	1666	857	10.306	1.2999
CI-M4C-560-25	25	1488	1735	893	10.735	1.2999
CI-M4C-560-26	26	1546	1804	929	11.164	1.2999
CI-M4C-560-27	27	1604	1874	965	11.594	1.2999
CI-M4C-560-28	28	1662	1943	1000	12.023	1.2999
CI-M4C-560-29	29	1721	2013	1036	12.453	1.2999
CI-M4C-560-30	30	1779	2082	1072	12.882	1.2999
CI-M4C-560-31	31	1837	2151	1107	13.311	1.2999
CI-M4C-560-32	32	1896	2221	1143	13.741	1.2999
CI-M4C-560-33	33	1954	2290	1179	14.170	1.2999
CI-M4C-560-34	34	2012	2360	1215	14.600	1.2999
CI-M4C-560-35	35	2071	2429	1250	15.029	1.2999
CI-M4C-560-36	36	2129	2498	1286	15.458	1.2999
CI-M4C-560-37	37	2187	2568	1322	15.888	1.2999
CI-M4C-560-38	38	2245	2637	1358	16.317	1.2999
CI-M4C-560-39	39	2304	2707	1393	16.747	1.2999
CI-M4C-560-40	40	2362	2776	1429	17.176	1.2999