Castrads®

Declaration of Performance

No. 202009-1105

Mercury 4 Column 860mm

Unique product code:	CI-M4C-860
Type, batch or serial number:	CI-M4C-860
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:	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 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa] Maximum operating pressure: 1000 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = Km \cdot \Delta T^n$. 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:

Nick Baylis
CEO
Stockport, England
28th June 2025



Appendix to DOP No. 202009-1105: Dimensions and thermal outputs

Panel dimensions: 860mm high when floor standing, 140mm deep for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output (Watts, ΔT50)	Output (Watts, ΔT30)	Factor, Km	Exponent, n
CI-M4C-860-03	3	205	327	171	2.342	1.2626
CI-M4C-860-04	4	263	436	228	3.123	1.2626
CI-M4C-860-05	5	322	545	285	3.904	1.2626
CI-M4C-860-06	6	380	654	342	4.685	1.2626
CI-M4C-860-07	7	438	763	399	5.465	1.2626
CI-M4C-860-08	8	496	872	456	6.246	1.2626
CI-M4C-860-09	9	555	981	513	7.027	1.2626
CI-M4C-860-10	10	613	1090	570	7.808	1.2626
CI-M4C-860-11	11	671	1199	627	8.588	1.2626
CI-M4C-860-12	12	730	1308	684	9.369	1.2626
CI-M4C-860-13	13	788	1417	741	10.150	1.2626
CI-M4C-860-14	14	846	1526	798	10.931	1.2626
CI-M4C-860-15	15	905	1635	855	11.711	1.2626
CI-M4C-860-16	16	963	1744	912	12.492	1.2626
CI-M4C-860-17	17	1021	1853	969	13.273	1.2626
CI-M4C-860-18	18	1079	1962	1026	14.054	1.2626
CI-M4C-860-19	19	1138	2071	1083	14.834	1.2626
CI-M4C-860-20	20	1196	2180	1140	15.615	1.2626
CI-M4C-860-21	21	1254	2289	1197	16.396	1.2626
CI-M4C-860-22	22	1313	2398	1254	17.177	1.2626
CI-M4C-860-23	23	1371	2507	1311	17.957	1.2626
CI-M4C-860-24	24	1429	2616	1368	18.738	1.2626
CI-M4C-860-25	25	1488	2725	1425	19.519	1.2626
CI-M4C-860-26	26	1546	2834	1482	20.300	1.2626
CI-M4C-860-27	27	1604	2943	1539	21.080	1.2626
CI-M4C-860-28	28	1662	3052	1596	21.861	1.2626
CI-M4C-860-29	29	1721	3161	1653	22.642	1.2626
CI-M4C-860-30	30	1779	3270	1710	23.423	1.2626
CI-M4C-860-31	31	1837	3379	1767	24.203	1.2626
CI-M4C-860-32	32	1896	3488	1824	24.984	1.2626
CI-M4C-860-33	33	1954	3597	1881	25.765	1.2626
CI-M4C-860-34	34	2012	3706	1938	26.546	1.2626
CI-M4C-860-35	35	2071	3815	1995	27.326	1.2626
CI-M4C-860-36	36	2129	3924	2052	28.107	1.2626
CI-M4C-860-37	37	2187	4033	2109	28.888	1.2626
CI-M4C-860-38	38	2245	4142	2166	29.669	1.2626
CI-M4C-860-39	39	2304	4251	2223	30.449	1.2626
CI-M4C-860-40	40	2362	4360	2280	31.230	1.2626