

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 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
3rd May 2026





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	Num of sec.	Length, mm	Output (Watts, DT50)	Output (Watts, DT30)	Factor, Km	Exponent, n
CI-M4C-860-03	3	205	327	172	2.342	1.2626
CI-M4C-860-04	4	263	436	229	3.123	1.2626
CI-M4C-860-05	5	322	545	286	3.904	1.2626
CI-M4C-860-06	6	380	654	343	4.685	1.2626
CI-M4C-860-07	7	438	763	401	5.465	1.2626
CI-M4C-860-08	8	496	872	458	6.246	1.2626
CI-M4C-860-09	9	555	981	515	7.027	1.2626
CI-M4C-860-10	10	613	1091	572	7.808	1.2626
CI-M4C-860-11	11	671	1200	629	8.588	1.2626
CI-M4C-860-12	12	730	1309	687	9.369	1.2626
CI-M4C-860-13	13	788	1418	744	10.150	1.2626
CI-M4C-860-14	14	846	1527	801	10.931	1.2626
CI-M4C-860-15	15	905	1636	858	11.711	1.2626
CI-M4C-860-16	16	963	1745	915	12.492	1.2626
CI-M4C-860-17	17	1021	1854	973	13.273	1.2626
CI-M4C-860-18	18	1079	1963	1030	14.054	1.2626
CI-M4C-860-19	19	1138	2072	1087	14.834	1.2626
CI-M4C-860-20	20	1196	2181	1144	15.615	1.2626
CI-M4C-860-21	21	1254	2290	1202	16.396	1.2626
CI-M4C-860-22	22	1313	2399	1259	17.177	1.2626
CI-M4C-860-23	23	1371	2508	1316	17.957	1.2626
CI-M4C-860-24	24	1429	2617	1373	18.738	1.2626
CI-M4C-860-25	25	1488	2726	1430	19.519	1.2626
CI-M4C-860-26	26	1546	2835	1488	20.300	1.2626
CI-M4C-860-27	27	1604	2944	1545	21.080	1.2626
CI-M4C-860-28	28	1662	3053	1602	21.861	1.2626
CI-M4C-860-29	29	1721	3162	1659	22.642	1.2626
CI-M4C-860-30	30	1779	3272	1717	23.423	1.2626
CI-M4C-860-31	31	1837	3381	1774	24.203	1.2626
CI-M4C-860-32	32	1896	3490	1831	24.984	1.2626
CI-M4C-860-33	33	1954	3599	1888	25.765	1.2626
CI-M4C-860-34	34	2012	3708	1945	26.546	1.2626
CI-M4C-860-35	35	2071	3817	2003	27.326	1.2626
CI-M4C-860-36	36	2129	3926	2060	28.107	1.2626
CI-M4C-860-37	37	2187	4035	2117	28.888	1.2626
CI-M4C-860-38	38	2245	4144	2174	29.669	1.2626
CI-M4C-860-39	39	2304	4253	2231	30.449	1.2626
CI-M4C-860-40	40	2362	4362	2289	31.230	1.2626