Declaration of Performance

No. 202009-1094

Mercury 2 Column 460mm

Unique product code:	CI-M2C-460
Type, batch or serial number:	CI-M2C-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:	101534

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
31st October 2026



Castrads®

Appendix to DOP No. 202009-1094: Dimensions and thermal outputs

Panel dimensions: 460mm high when floor standing, 70mm 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-M2C-460-03	3	205	106	57	0.965	1.2008
CI-M2C-460-04	4	263	141	76	1.287	1.2008
CI-M2C-460-05	5	322	176	96	1.608	1.2008
CI-M2C-460-06	6	380	212	115	1.930	1.2008
CI-M2C-460-07	7	438	247	134	2.251	1.2008
CI-M2C-460-08	8	496	282	153	2.573	1.2008
CI-M2C-460-09	9	555	317	172	2.895	1.2008
CI-M2C-460-10	10	613	353	191	3.216	1.2008
CI-M2C-460-11	11	671	388	210	3.538	1.2008
CI-M2C-460-12	12	730	423	229	3.860	1.2008
CI-M2C-460-13	13	788	459	248	4.181	1.2008
CI-M2C-460-14	14	846	494	267	4.503	1.2008
CI-M2C-460-15	15	905	529	287	4.824	1.2008
CI-M2C-460-16	16	963	564	306	5.146	1.2008
CI-M2C-460-17	17	1021	600	325	5.468	1.2008
CI-M2C-460-18	18	1079	635	344	5.789	1.2008
CI-M2C-460-19	19	1138	670	363	6.111	1.2008
CI-M2C-460-20	20	1196	706	382	6.433	1.2008
CI-M2C-460-21	21	1254	741	401	6.754	1.2008
CI-M2C-460-22	22	1313	776	420	7.076	1.2008
CI-M2C-460-23	23	1371	811	439	7.397	1.2008
CI-M2C-460-24	24	1429	847	458	7.719	1.2008
CI-M2C-460-25	25	1488	882	478	8.041	1.2008
CI-M2C-460-26	26	1546	917	497	8.362	1.2008
CI-M2C-460-27	27	1604	952	516	8.684	1.2008
CI-M2C-460-28	28	1662	988	535	9.006	1.2008
CI-M2C-460-29	29	1721	1023	554	9.327	1.2008
CI-M2C-460-30	30	1779	1058	573	9.649	1.2008
CI-M2C-460-31	31	1837	1094	592	9.971	1.2008
CI-M2C-460-32	32	1896	1129	611	10.292	1.2008
CI-M2C-460-33	33	1954	1164	630	10.614	1.2008
CI-M2C-460-34	34	2012	1199	649	10.935	1.2008
CI-M2C-460-35	35	2071	1235	669	11.257	1.2008
CI-M2C-460-36	36	2129	1270	688	11.579	1.2008
CI-M2C-460-37	37	2187	1305	707	11.900	1.2008
CI-M2C-460-38	38	2245	1340	726	12.222	1.2008
CI-M2C-460-39	39	2304	1376	745	12.544	1.2008
CI-M2C-460-40	40	2362	1411	764	12.865	1.2008