Declaration of Performance

No. 202009-1101

Mercury 4 Column 360mm

Unique product code:	CI-M4C-360
Type, batch or serial number:	CI-M4C-360
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:	103146A1PS

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
2nd November 2026



Castrads®

Appendix to DOP No. 202009-1101: Dimensions and thermal outputs

Panel dimensions: 360mm 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-360-03	3	205	133	70	1.018	1.2450
CI-M4C-360-04	4	263	177	94	1.357	1.2450
CI-M4C-360-05	5	322	221	117	1.697	1.2450
CI-M4C-360-06	6	380	265	141	2.036	1.2450
CI-M4C-360-07	7	438	310	164	2.375	1.2450
CI-M4C-360-08	8	496	354	187	2.714	1.2450
CI-M4C-360-09	9	555	398	211	3.054	1.2450
CI-M4C-360-10	10	613	442	234	3.393	1.2450
CI-M4C-360-11	11	671	487	258	3.732	1.2450
CI-M4C-360-12	12	730	531	281	4.072	1.2450
CI-M4C-360-13	13	788	575	304	4.411	1.2450
CI-M4C-360-14	14	846	619	328	4.750	1.2450
CI-M4C-360-15	15	905	664	351	5.090	1.2450
CI-M4C-360-16	16	963	708	375	5.429	1.2450
CI-M4C-360-17	17	1021	752	398	5.768	1.2450
CI-M4C-360-18	18	1079	796	422	6.107	1.2450
CI-M4C-360-19	19	1138	841	445	6.447	1.2450
CI-M4C-360-20	20	1196	885	468	6.786	1.2450
CI-M4C-360-21	21	1254	929	492	7.125	1.2450
CI-M4C-360-22	22	1313	973	515	7.465	1.2450
CI-M4C-360-23	23	1371	1017	539	7.804	1.2450
CI-M4C-360-24	24	1429	1062	562	8.143	1.2450
CI-M4C-360-25	25	1488	1106	586	8.483	1.2450
CI-M4C-360-26	26	1546	1150	609	8.822	1.2450
CI-M4C-360-27	27	1604	1194	632	9.161	1.2450
CI-M4C-360-28	28	1662	1239	656	9.500	1.2450
CI-M4C-360-29	29	1721	1283	679	9.840	1.2450
CI-M4C-360-30	30	1779	1327	703	10.179	1.2450
CI-M4C-360-31	31	1837	1371	726	10.518	1.2450
CI-M4C-360-32	32	1896	1416	749	10.858	1.2450
CI-M4C-360-33	33	1954	1460	773	11.197	1.2450
CI-M4C-360-34	34	2012	1504	796	11.536	1.2450
CI-M4C-360-35	35	2071	1548	820	11.876	1.2450
CI-M4C-360-36	36	2129	1593	843	12.215	1.2450
CI-M4C-360-37	37	2187	1637	867	12.554	1.2450
CI-M4C-360-38	38	2245	1681	890	12.893	1.2450
CI-M4C-360-39	39	2304	1725	913	13.233	1.2450
CI-M4C-360-40	40	2362	1770	937	13.572	1.2450