Castrads®

Declaration of Performance

No. 202009-1109

Mercury 6 Column 960mm

Unique product code:	CI-M6C-960
Type, batch or serial number:	CI-M6C-960
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:	103146A2PS

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. 202009-1109: Dimensions and thermal outputs

Panel dimensions: 960mm high when floor standing, 215mm 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-M6C-960-03	3	205	512	255	2.367	1.3745
CI-M6C-960-04	4	263	683	340	3.156	1.3745
CI-M6C-960-05	5	322	854	425	3.945	1.3745
CI-M6C-960-06	6	380	1024	510	4.734	1.3745
CI-M6C-960-07	7	438	1195	595	5.523	1.3745
CI-M6C-960-08	8	496	1366	680	6.312	1.3745
CI-M6C-960-09	9	555	1536	765	7.101	1.3745
CI-M6C-960-10	10	613	1707	850	7.890	1.3745
CI-M6C-960-11	11	671	1878	935	8.679	1.3745
CI-M6C-960-12	12	730	2048	1020	9.468	1.3745
CI-M6C-960-13	13	788	2219	1105	10.257	1.3745
CI-M6C-960-14	14	846	2390	1190	11.046	1.3745
CI-M6C-960-15	15	905	2561	1275	11.835	1.3745
CI-M6C-960-16	16	963	2731	1360	12.624	1.3745
CI-M6C-960-17	17	1021	2902	1445	13.413	1.3745
CI-M6C-960-18	18	1079	3073	1530	14.202	1.3745
CI-M6C-960-19	19	1138	3243	1615	14.991	1.3745
CI-M6C-960-20	20	1196	3414	1700	15.780	1.3745
CI-M6C-960-21	21	1254	3585	1785	16.569	1.3745
CI-M6C-960-22	22	1313	3755	1870	17.358	1.3745
CI-M6C-960-23	23	1371	3926	1955	18.147	1.3745
CI-M6C-960-24	24	1429	4097	2040	18.936	1.3745
CI-M6C-960-25	25	1488	4268	2125	19.725	1.3745
CI-M6C-960-26	26	1546	4438	2210	20.513	1.3745
CI-M6C-960-27	27	1604	4609	2295	21.302	1.3745
CI-M6C-960-28	28	1662	4780	2380	22.091	1.3745
CI-M6C-960-29	29	1721	4950	2465	22.880	1.3745
CI-M6C-960-30	30	1779	5121	2550	23.669	1.3745
CI-M6C-960-31	31	1837	5292	2635	24.458	1.3745
CI-M6C-960-32	32	1896	5462	2720	25.247	1.3745
CI-M6C-960-33	33	1954	5633	2805	26.036	1.3745
CI-M6C-960-34	34	2012	5804	2890	26.825	1.3745
CI-M6C-960-35	35	2071	5975	2975	27.614	1.3745
CI-M6C-960-36	36	2129	6145	3060	28.403	1.3745
CI-M6C-960-37	37	2187	6316	3145	29.192	1.3745
CI-M6C-960-38	38	2245	6487	3230	29.981	1.3745
CI-M6C-960-39	39	2304	6657	3315	30.770	1.3745
CI-M6C-960-40	40	2362	6828	3400	31.559	1.3745