



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	Harmonized 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]	
Resistance to pressure	Maximum operating pressure: 1000 [kPa]	
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	

Appendix: Dimensions and thermal outputs

Panel dimensions: 960mm h, 215mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W $\Delta T50$	Output, W $\Delta T30$	Factor, Km	Exponent, n
CI/M6C/960/03	3	205	512	254	2.367	1.3745
CI/M6C/960/04	4	263	683	338	3.156	1.3745
CI/M6C/960/05	5	321	854	423	3.945	1.3745
CI/M6C/960/06	6	379	1024	508	4.734	1.3745
CI/M6C/960/07	7	437	1195	592	5.523	1.3745
CI/M6C/960/08	8	496	1366	677	6.312	1.3745
CI/M6C/960/09	9	554	1536	761	7.101	1.3745
CI/M6C/960/10	10	612	1707	846	7.890	1.3745
CI/M6C/960/11	11	670	1878	931	8.679	1.3745
CI/M6C/960/12	12	728	2048	1015	9.468	1.3745
CI/M6C/960/13	13	787	2219	1100	10.257	1.3745
CI/M6C/960/14	14	845	2390	1184	11.046	1.3745
CI/M6C/960/15	15	903	2561	1269	11.835	1.3745
CI/M6C/960/16	16	961	2731	1354	12.624	1.3745
CI/M6C/960/17	17	1019	2902	1438	13.413	1.3745
CI/M6C/960/18	18	1078	3073	1523	14.202	1.3745
CI/M6C/960/19	19	1136	3243	1607	14.991	1.3745
CI/M6C/960/20	20	1194	3414	1692	15.780	1.3745
CI/M6C/960/21	21	1252	3585	1777	16.569	1.3745
CI/M6C/960/22	22	1310	3755	1861	17.358	1.3745
CI/M6C/960/23	23	1369	3926	1946	18.147	1.3745
CI/M6C/960/24	24	1427	4097	2030	18.936	1.3745
CI/M6C/960/25	25	1485	4268	2115	19.725	1.3745
CI/M6C/960/26	26	1543	4438	2200	20.513	1.3745
CI/M6C/960/27	27	1601	4609	2284	21.302	1.3745
CI/M6C/960/28	28	1660	4780	2369	22.091	1.3745
CI/M6C/960/29	29	1718	4950	2453	22.880	1.3745
CI/M6C/960/30	30	1776	5121	2538	23.669	1.3745
CI/M6C/960/31	31	1834	5292	2623	24.458	1.3745
CI/M6C/960/32	32	1892	5462	2707	25.247	1.3745
CI/M6C/960/33	33	1951	5633	2792	26.036	1.3745
CI/M6C/960/34	34	2009	5804	2876	26.825	1.3745
CI/M6C/960/35	35	2067	5975	2961	27.614	1.3745
CI/M6C/960/36	36	2125	6145	3046	28.403	1.3745
CI/M6C/960/37	37	2183	6316	3130	29.192	1.3745
CI/M6C/960/38	38	2242	6487	3215	29.981	1.3745
CI/M6C/960/39	39	2300	6657	3299	30.770	1.3745
CI/M6C/960/40	40	2358	6828	3384	31.559	1.3745

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