Castrads®

Declaration of Performance

No. 202009-1107

Mercury 6 Column 360mm

Unique product code:	CI-M6C-360
Type, batch or serial number:	CI-M6C-360
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:	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 × 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. 202009-1107: Dimensions and thermal outputs

Panel dimensions: 360mm 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-360-03	3	205	189	102	1.545	1.2292
CI-M6C-360-04	4	263	252	136	2.060	1.2292
CI-M6C-360-05	5	322	316	170	2.576	1.2292
CI-M6C-360-06	6	380	379	204	3.091	1.2292
CI-M6C-360-07	7	438	442	238	3.606	1.2292
CI-M6C-360-08	8	496	505	272	4.121	1.2292
CI-M6C-360-09	9	555	568	306	4.636	1.2292
CI-M6C-360-10	10	613	631	340	5.151	1.2292
CI-M6C-360-11	11	671	694	374	5.666	1.2292
CI-M6C-360-12	12	730	757	408	6.181	1.2292
CI-M6C-360-13	13	788	820	442	6.697	1.2292
CI-M6C-360-14	14	846	883	476	7.212	1.2292
CI-M6C-360-15	15	905	947	510	7.727	1.2292
CI-M6C-360-16	16	963	1010	544	8.242	1.2292
CI-M6C-360-17	17	1021	1073	578	8.757	1.2292
CI-M6C-360-18	18	1079	1136	612	9.272	1.2292
CI-M6C-360-19	19	1138	1199	646	9.787	1.2292
CI-M6C-360-20	20	1196	1262	680	10.302	1.2292
CI-M6C-360-21	21	1254	1325	714	10.818	1.2292
CI-M6C-360-22	22	1313	1388	748	11.333	1.2292
CI-M6C-360-23	23	1371	1451	782	11.848	1.2292
CI-M6C-360-24	24	1429	1514	816	12.363	1.2292
CI-M6C-360-25	25	1488	1578	850	12.878	1.2292
CI-M6C-360-26	26	1546	1641	884	13.393	1.2292
CI-M6C-360-27	27	1604	1704	918	13.908	1.2292
CI-M6C-360-28	28	1662	1767	952	14.423	1.2292
CI-M6C-360-29	29	1721	1830	986	14.938	1.2292
CI-M6C-360-30	30	1779	1893	1020	15.454	1.2292
CI-M6C-360-31	31	1837	1956	1054	15.969	1.2292
CI-M6C-360-32	32	1896	2019	1088	16.484	1.2292
CI-M6C-360-33	33	1954	2082	1122	16.999	1.2292
CI-M6C-360-34	34	2012	2145	1156	17.514	1.2292
CI-M6C-360-35	35	2071	2209	1190	18.029	1.2292
CI-M6C-360-36	36	2129	2272	1224	18.544	1.2292
CI-M6C-360-37	37	2187	2335	1258	19.059	1.2292
CI-M6C-360-38	38	2245	2398	1292	19.575	1.2292
CI-M6C-360-39	39	2304	2461	1326	20.090	1.2292
CI-M6C-360-40	40	2362	2524	1360	20.605	1.2292