



Castrads®

Declaration of Performance

No. 202009-1098

Mercury 3 Column 660mm

Unique product code:	CI-M3C-660
Type, batch or serial number:	CI-M3C-660
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:	61431

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 $1.3 \times$ maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
	No breakage at $1.69 \times$ 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	

Signed for and on behalf of the manufacturer by:

Nick Baylis
CEO
Stockport, England
28th June 2025

Appendix to DOP No. 202009-1098: Dimensions and thermal outputs

Panel dimensions: 660mm high when floor standing, 101mm 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-M3C-660-03	3	205	199	105	1.421	1.2636
CI-M3C-660-04	4	263	266	140	1.895	1.2636
CI-M3C-660-05	5	322	332	175	2.369	1.2636
CI-M3C-660-06	6	380	398	210	2.842	1.2636
CI-M3C-660-07	7	438	465	245	3.316	1.2636
CI-M3C-660-08	8	496	531	280	3.790	1.2636
CI-M3C-660-09	9	555	598	315	4.263	1.2636
CI-M3C-660-10	10	613	664	350	4.737	1.2636
CI-M3C-660-11	11	671	730	385	5.211	1.2636
CI-M3C-660-12	12	730	797	420	5.685	1.2636
CI-M3C-660-13	13	788	863	455	6.158	1.2636
CI-M3C-660-14	14	846	930	490	6.632	1.2636
CI-M3C-660-15	15	905	996	525	7.106	1.2636
CI-M3C-660-16	16	963	1062	560	7.579	1.2636
CI-M3C-660-17	17	1021	1129	595	8.053	1.2636
CI-M3C-660-18	18	1079	1195	630	8.527	1.2636
CI-M3C-660-19	19	1138	1262	665	9.000	1.2636
CI-M3C-660-20	20	1196	1328	700	9.474	1.2636
CI-M3C-660-21	21	1254	1394	735	9.948	1.2636
CI-M3C-660-22	22	1313	1461	770	10.422	1.2636
CI-M3C-660-23	23	1371	1527	805	10.895	1.2636
CI-M3C-660-24	24	1429	1594	840	11.369	1.2636
CI-M3C-660-25	25	1488	1660	875	11.843	1.2636
CI-M3C-660-26	26	1546	1726	910	12.316	1.2636
CI-M3C-660-27	27	1604	1793	945	12.790	1.2636
CI-M3C-660-28	28	1662	1859	980	13.264	1.2636
CI-M3C-660-29	29	1721	1926	1015	13.738	1.2636
CI-M3C-660-30	30	1779	1992	1050	14.211	1.2636
CI-M3C-660-31	31	1837	2058	1085	14.685	1.2636
CI-M3C-660-32	32	1896	2125	1120	15.159	1.2636
CI-M3C-660-33	33	1954	2191	1155	15.632	1.2636
CI-M3C-660-34	34	2012	2258	1190	16.106	1.2636
CI-M3C-660-35	35	2071	2324	1225	16.580	1.2636
CI-M3C-660-36	36	2129	2390	1260	17.054	1.2636
CI-M3C-660-37	37	2187	2457	1295	17.527	1.2636
CI-M3C-660-38	38	2245	2523	1330	18.001	1.2636
CI-M3C-660-39	39	2304	2590	1365	18.475	1.2636
CI-M3C-660-40	40	2362	2656	1400	18.948	1.2636