

 **Castrads**[®]
Declaration of Performance

No. 202009-1097

Mercury 3 Column 560mm

Unique product code:	CI-M3C-560
Type, batch or serial number:	CI-M3C-560
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:	101534

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1	
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]	EN 442-1:2014
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:

Nicholas Baylis
CEO
Stockport, England
25th April 2026





Appendix to DOP No. 202009-1097: Dimensions and thermal outputs

Panel dimensions: 560mm high when floor standing, 101mm 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-M3C-560-03	3	205	161	85	1.237	1.2451
CI-M3C-560-04	4	263	215	114	1.649	1.2451
CI-M3C-560-05	5	322	269	142	2.061	1.2451
CI-M3C-560-06	6	380	323	171	2.473	1.2451
CI-M3C-560-07	7	438	376	199	2.885	1.2451
CI-M3C-560-08	8	496	430	228	3.298	1.2451
CI-M3C-560-09	9	555	484	256	3.710	1.2451
CI-M3C-560-10	10	613	538	285	4.122	1.2451
CI-M3C-560-11	11	671	591	313	4.534	1.2451
CI-M3C-560-12	12	730	645	342	4.946	1.2451
CI-M3C-560-13	13	788	699	370	5.359	1.2451
CI-M3C-560-14	14	846	753	398	5.771	1.2451
CI-M3C-560-15	15	905	806	427	6.183	1.2451
CI-M3C-560-16	16	963	860	455	6.595	1.2451
CI-M3C-560-17	17	1021	914	484	7.007	1.2451
CI-M3C-560-18	18	1079	968	512	7.420	1.2451
CI-M3C-560-19	19	1138	1022	541	7.832	1.2451
CI-M3C-560-20	20	1196	1075	569	8.244	1.2451
CI-M3C-560-21	21	1254	1129	598	8.656	1.2451
CI-M3C-560-22	22	1313	1183	626	9.068	1.2451
CI-M3C-560-23	23	1371	1237	655	9.481	1.2451
CI-M3C-560-24	24	1429	1290	683	9.893	1.2451
CI-M3C-560-25	25	1488	1344	712	10.305	1.2451
CI-M3C-560-26	26	1546	1398	740	10.717	1.2451
CI-M3C-560-27	27	1604	1452	768	11.129	1.2451
CI-M3C-560-28	28	1662	1505	797	11.542	1.2451
CI-M3C-560-29	29	1721	1559	825	11.954	1.2451
CI-M3C-560-30	30	1779	1613	854	12.366	1.2451
CI-M3C-560-31	31	1837	1667	882	12.778	1.2451
CI-M3C-560-32	32	1896	1720	911	13.190	1.2451
CI-M3C-560-33	33	1954	1774	939	13.603	1.2451
CI-M3C-560-34	34	2012	1828	968	14.015	1.2451
CI-M3C-560-35	35	2071	1882	996	14.427	1.2451
CI-M3C-560-36	36	2129	1936	1025	14.839	1.2451
CI-M3C-560-37	37	2187	1989	1053	15.251	1.2451
CI-M3C-560-38	38	2245	2043	1082	15.664	1.2451
CI-M3C-560-39	39	2304	2097	1110	16.076	1.2451
CI-M3C-560-40	40	2362	2151	1138	16.488	1.2451