

Liberty Overview



Liberty Technical

The Liberty, a traditional 2 column cast iron radiator, can be supplied in a factory primer, a white or black primer ready for on-site painting, or a range of colours and special effects finished by the MHS assembly and finishing plant. The Liberty radiator has a maximum working pressure of 6 bar (7.8 bar test). Feet and wall ties are supplied as standard.

All radiators are supplied with ½" BSP-f (BBOE) connections, ¾" or 1" connections, while TBOE or TBSE connections are also available (to be specified at time of order). The Liberty radiator carries a 10-year guarantee against manufacturing defects.



Features

- Types - 2 Column
- Material - Cast iron
- Heights - 540-954mm
- Depth - 203mm
- Maximum Working Pressure - 6 bar (7.8 bar test)
- Warranty - 10 years
- Electric option by special request



Technical data per section

	Model LIB 510	Model LIB 660	Model LIB 760	Model LIB 954
Height with foot (mm)	510	660	760	954
Output (watts Δt 50°C)	74	111	121	151
Weight (kg)	6.60	10.20	11.00	13.70
Water content (litres)	1.83	2.30	2.60	3.30
Maximum factory built sections #	15	15	15	15

A joining tool is required for on-site assembly for longer lengths than the factory maximum number of sections.

Performance data

Width (excluding bushes) (mm)	Sections	Model LIB 510	Model LIB 660	Model LIB 760	Model LIB 954
		Output (watts Δt 50°C)			
228	3	222	333	363	453
304	4	296	444	484	604
380	5	370	555	605	755
456	6	444	666	726	906
532	7	518	777	847	1057
608	8	592	888	968	1208
684	9	666	999	1089	1359
760	10	740	1110	1210	1510
836	11	814	1221	1331	1661
912	12	888	1332	1452	1812
988	13	962	1443	1573	1963
1064	14	1036	1554	1694	2114
1140	15	1110	1665	1815	2265
1216	16	1184	1776	1936	2416
1292	17	1258	1887	2057	2567
1368	18	1332	1998	2178	2718
1444	19	1406	2109	2299	2869
1520	20	1480	2220	2420	3020
1596	21	1554	2331	2541	3171
1672	22	1628	2442	2662	3322
1748	23	1702	2553	2783	3473
1824	24	1776	2664	2904	3624
1900	25	1850	2775	3025	3775
1976	26	1924	2886	3146	3926
2052	27	1998	2997	3267	4077
2128	28	2072	3108	3388	4228
2204	29	2146	3219	3509	4379
2280	30	2220	3330	3630	4530
2356	31	2294	3441	3751	4681
2432	32	2368	3552	3872	4832
2508	33	2442	3663	3993	4983
2584	34	2516	3774	4114	5134
2660	35	2590	3885	4235	5285
2736	36	2664	3996	4356	5436
2812	37	2738	4107	4477	5587
2888	38	2812	4218	4598	5738
2964	39	2886	4329	4719	5889
3040	40	2960	4440	4840	6040

For Δt 30°C, apply a correction factor of 0.515.
For other operating temperatures, refer to page 131.

