

**barlo**  
RADIATORS

Compact

MANU  
**FACT**  
URED  
IN BRITAIN

[www.barlo.co.uk](http://www.barlo.co.uk)



### **PAGE 03**

BARLO GREAT BRITISH  
RADIATORS

### **PAGE 04-05**

COMPACT RANGE

### **PAGE 06-07**

NO.1 FOR EFFICIENCY

### **PAGE 08 - 10**

SPECIFICATIONS

### **PAGE 11**

MOUNTING DETAILS



# Barlo Great British Radiators

**For half a century, Barlo radiators have been the best choice for millions of homes and businesses across the UK and Ireland.**

Choosing Barlo means choosing quality. Indeed it's no accident that the world's best-performing radiators are made in the UK, in Europe's most advanced radiator manufacturing facility. At Barlo we've invested over £150 million to ensure our products are second to none, backed by world-class technology and the very highest production standards.



> Automatic Test Tanks



> Robotic Assembly Line



# Compact Range

Barlo Radiators  
are the most  
efficient panel  
radiators available  
on the market



Compact

Every radiator in the Barlo Compact range is manufactured in the UK, constructed from the highest standard 1.2mm thick cold-rolled steel and pressure tested to 13 bar. Plus, each radiator is backed by a market-leading 10-year warranty and supplied with all the hanging brackets required for installation.

The outputs of Barlo models single convector and double convector (600 x 1000mm) have been verified by the Energy Saving Trust (EST) as delivering the highest heat output at Delta T 50°C and 30°C from a comparison with the main market competitors. \*



GREATER  
HEAT OUTPUT



LESS WATER  
TO HEAT



MANUFACTURED  
IN GREAT BRITAIN



143 SIZE  
OPTIONS



FASTER  
HEAT-UP TIME



LOWER  
RUNNING COSTS



SMALLER CARBON  
FOOTPRINT



10 YEAR  
WARRANTY

\*Performance data, figures and calculations are based on HLK Stuttgart test report number B01 221.1541 dated 31.07.01 in accordance with European standard EN 442 - 1,2,3. Competitors data is taken from published catalogues and specifications sourced online in June 2016. Correct as of July 2016 and valid until July 2018.



## Product Range

The Barlo Compact range comprises single, double convector and double panel plus convector radiators in a choice of heights with lengths from 300mm to 2000mm, supplied with factory fitted grilles and side panels.

## Finish

Every Barlo Compact radiator undergoes an intensive pre-treatment process to protect against rust. The radiators are then finished with epoxy polyester powder paint (RAL 9016) which may be overpainted if required.

## Packaging

Every radiator is protected top and bottom over the whole length and height with heavy cardboard box ends and packed in shrink-wrapped polythene.

## Connections

Each Barlo Compact radiator is manufactured with 4 x 1/2" BSP TBOE connections.

## Testing

All radiators are individually pressure tested to 13 bar and are suitable for a working pressure of up to 10 bar.

## Brackets

All radiators are supplied with two or more brackets depending on the length.

## Bracket Lugs

Two pairs of lugs are fitted on radiators up to and including 1600mm long. A third pair of lugs is fitted centrally on radiators which are 1800mm long and over.

## Tapping-To-Tapping Dimensions

All tapping-to-tapping dimensions may be obtained by subtracting 5mm (1/4") from the nominal radiator length.

## Materials

Barlo Compact radiators are manufactured from high-quality cold-rolled steel with a nominal thickness of 1.2mm.

## Installation

For indirect systems or closed circuits only at a working pressure not exceeding 10 bar.

## Outputs

All radiators have been manufactured and tested in accordance with BS EN 442.

## Quality

All radiators are manufactured under a BS EN ISO 9001:2008 quality system accepted by BSI.

## Warranty

All radiators are supplied under warranty for a period of ten years in respect of defective materials or manufacture.

## Water Treatment

On completion of the installation, it is strongly recommended that the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593. Use of a corrosion-inhibitor is also strongly recommended. Failure to observe this recommendation may invalidate the manufacturer's warranty.

## Conditions of Sale

The Barlo standard conditions of sale apply to all transactions. A copy is available on request.

## Conversion Information

The outputs quoted in this publication are based on a Delta T of 50°C.

# No.1 for Efficiency



We're proud to say that our compact range is the most efficient panel radiator range available today.

By efficient we mean two things:

1. **The highest heat output (per square metre) on the market**
2. **Bigger energy savings – and lower operating costs for our customers**

It's all thanks to our unique third-generation technology: developed by Barlo to push the boundaries of heating performance.

## Radiator performance at a glance

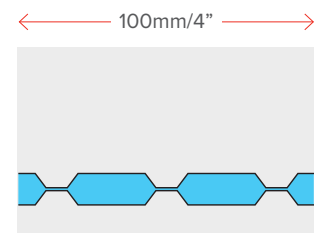
Ultimately, the difference between outdated and modern radiator technology is the way it transfers heat. Barlo's third-generation panels have more efficient convection and a lower water content. This means faster heat-up and less water to heat in the first place – resulting in better performance. In technical terms, it all boils down to the radiator's waterway pitch (the distance between its vertical water channels) and the configuration of its convector fins (which transfer heat).

### First Generation - 1960s:

**Design:** 40-54mm pitch, hand-welded connections and no convector fins

**Performance:** With more water to heat and fewer channels, heat transfer is very poor

**Availability:** First-generation products are now obsolete

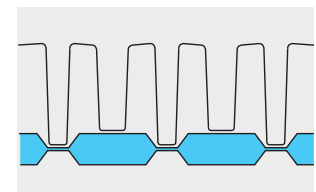


### Generation 1a - 1970s:

**Design:** 40-54mm pitch, 'M'-shaped convector fins and projection back-welded connections

**Performance:** Improved efficiency, but still very outdated by modern standards

**Availability:** A handful of manufacturers still make them

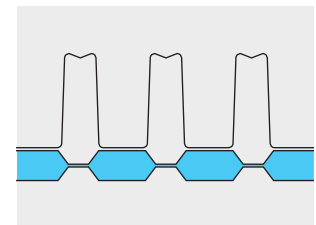


### Second Generation - 1980s:

**Design:** Simple, waterway-welded fins and a reduced 33.3mm pitch

**Performance:** Enhanced output and efficiency, but far outstripped by Barlo's third-generation technology

**Availability:** Most other manufacturers make second-generation radiators

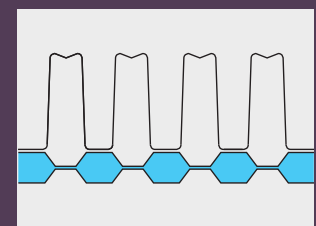


### Third Generation - Present:

**Design:** The most fins, and the smallest waterway pitch (at just 25mm)

**Performance:** With a lower water content and unrivalled heat transfer, third-generation radiators produce the highest outputs and are the best choice for savings and efficiency.

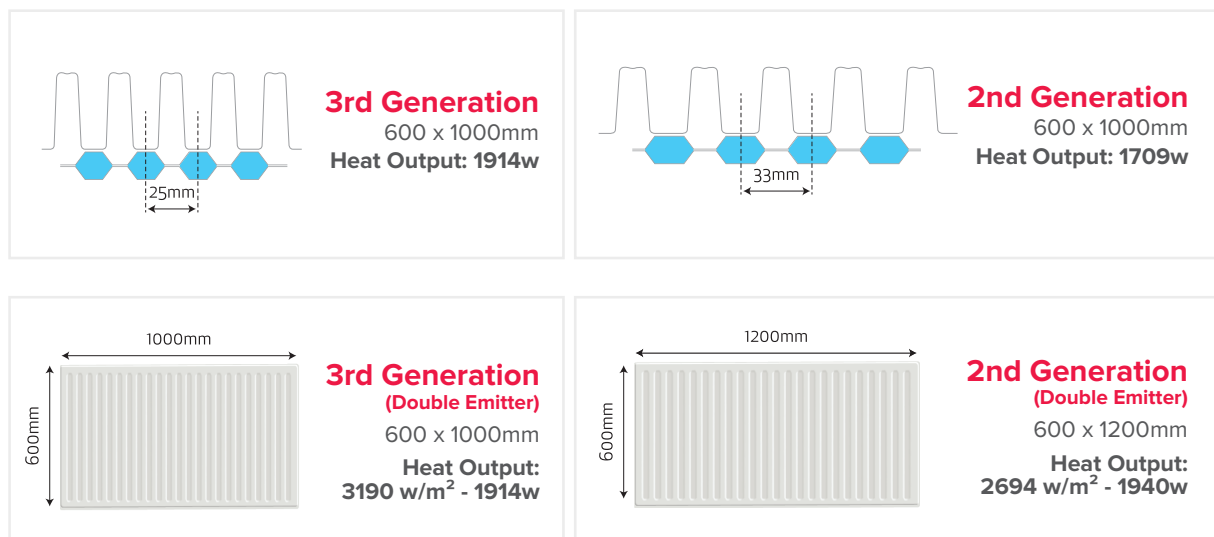
**Availability:** Unique to Barlo



Say “hello” to the world’s only third-generation radiator

## Barlo - can be smaller in size, but always big on heat output

The incredible efficiency of our third-generation technology delivers up to 12% more heat than competitor radiators of the same size making it possible to install a smaller radiator whilst still delivering the required heat output, thus **saving on space and costs**.



LESS WATER  
TO HEAT



FASTER  
HEAT-UP TIME



GREATER  
HEAT OUTPUT



LOWER  
RUNNING COSTS



# Barlo Compact Range Specifications

	PRODUCT CODE	HEIGHT (MM)	LENGTH (MM)	WATTS $\Delta T50$	BTU/HR $\Delta T50$	DRY WEIGHT (KG/METRE)	WATER CONTENT (L/METRE)	LIST PRICE
Single Convactor	Q11305CB	300	500	280	956	9.50	1.81	£44.56
	Q11310CB	300	1000	560	1911			£71.37
	Q11312CB	300	1200	672	2294			£81.30
	Q11314CB	300	1400	784	2676			£102.90
	Q11316CB	300	1600	896	3058			£135.39
	Q11320CB	300	2000	1120	3823			£167.84
Double Convactor	Q22305CB	300	500	548	1869	18.04	3.50	£85.24
	Q22310CB	300	1000	1095	3737			£142.38
	Q22312CB	300	1200	1314	4485			£162.59
	Q22314CB	300	1400	1533	5232			£205.31
	Q22316CB	300	1600	1752	5980			£248.40
	Q22318CB	300	1800	1971	6727			£291.52
	Q22320CB	300	2000	2190	7474			£334.60
Single Convactor	Q11404CB	400	400	292	995	12.52	2.24	£58.11
	Q11406CB	400	600	437	1493			£50.83
	Q11408CB	400	800	583	1990			£66.45
	Q11410CB	400	1000	729	2488			£77.96
	Q11412CB	400	1200	875	2986			£89.63
	Q11414CB	400	1400	1021	3483			£104.16
	Q11416CB	400	1600	1166	3981			£127.12
	Q11418CB	400	1800	1312	4479			£143.03
	Q11420CB	400	2000	1458	4976			£158.90
Double Panel Plus	Q21406CB	400	600	625	2132	19.92	4.37	£69.35
	Q21408CB	400	800	833	2842			£109.65
	Q21410CB	400	1000	1041	3553			£127.87
	Q21412CB	400	1200	1249	4264			£146.14
	Q21414CB	400	1400	1457	4974			£169.83
Double Convactor	Q22406CB	400	600	834	2846	24.00	4.37	£99.23
	Q22408CB	400	800	1112	3795			£118.87
	Q22410CB	400	1000	1390	4744			£140.98
	Q22412CB	400	1200	1668	5693			£169.18
	Q22414CB	400	1400	1946	6642			£203.30
	Q22416CB	400	1600	2224	7591			£248.14
	Q22418CB	400	1800	2502	8539			£279.16
	Q22420CB	400	2000	2780	9488			£310.16
Single Convactor	Q11504CB	500	400	354	1208	15.54	2.67	£40.88
	Q11505CB	500	500	443	1510			£44.57
	Q11506CB	500	600	531	1812			£52.95
	Q11507CB	500	700	620	2114			£61.19
	Q11508CB	500	800	708	2416			£69.22
	Q11509CB	500	900	797	2718			£77.84
	Q11510CB	500	1000	885	3021			£86.37
	Q11511CB	500	1100	974	3323			£93.02
	Q11512CB	500	1200	1062	3625			£99.61
	Q11513CB	500	1300	1151	3927			£109.62

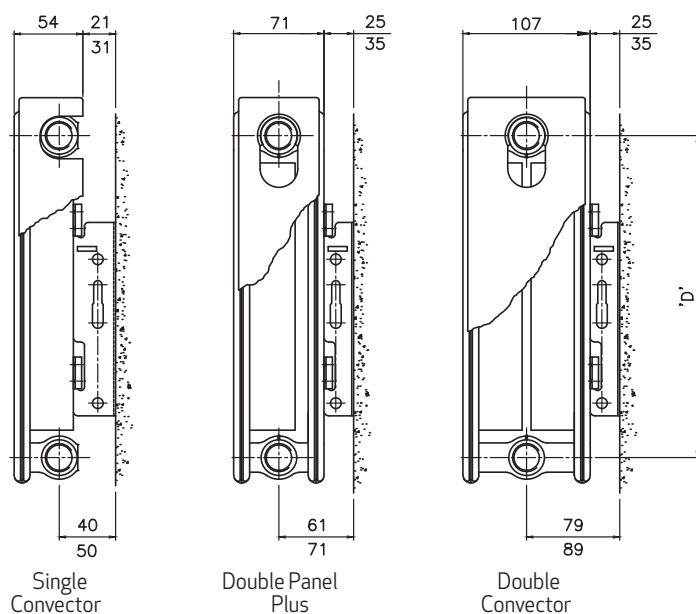


	PRODUCT CODE	HEIGHT (MM)	LENGTH (MM)	WATTS $\Delta T50$	BTU/HR $\Delta T50$	DRY WEIGHT (KG/METRE)	WATER CONTENT (L/METRE)	LIST PRICE
Single Convactor	Q11514CB	500	1400	1239	4229	15.54	2.67	£119.55
	Q11516CB	500	1600	1416	4833			£145.93
	Q11518CB	500	1800	1593	5437			£164.16
	Q11520CB	500	2000	1770	6041			£182.67
Double Panel Plus	Q21504CB	500	400	496	1691	24.74	5.33	£61.14
	Q21505CB	500	500	620	2114			£72.50
	Q21506CB	500	600	743	2537			£86.34
	Q21507CB	500	700	867	2960			£99.74
	Q21508CB	500	800	991	3383			£112.88
	Q21509CB	500	900	1115	3806			£124.42
	Q21510CB	500	1000	1239	4229			£135.59
	Q21512CB	500	1200	1487	5074			£162.70
	Q21514CB	500	1400	1735	5920			£195.50
	Q21516CB	500	1600	1982	6766			£238.63
	Q21518CB	500	1800	2230	7612			£290.96
	Q21520CB	500	2000	2478	8457			£354.99
Double Convactor	Q22504CB	500	400	665	2269	29.97	5.23	£73.25
	Q22505CB	500	500	831	2836			£87.02
	Q22506CB	500	600	997	3403			£103.43
	Q22507CB	500	700	1163	3971			£118.73
	Q22508CB	500	800	1330	4538			£129.90
	Q22509CB	500	900	1496	5105			£146.17
	Q22510CB	500	1000	1662	5672			£162.40
	Q22511CB	500	1100	1828	6240			£178.60
	Q22512CB	500	1200	1994	6807			£194.89
	Q22513CB	500	1300	2161	7374			£212.42
	Q22514CB	500	1400	2327	7941			£234.19
	Q22516CB	500	1600	2659	9076			£285.82
	Q22518CB	500	1800	2992	10210			£321.54
	Q22520CB	500	2000	3324	11345			£383.29
Single Convactor	Q11603CB	600	300	309	1056	18.56	3.10	£44.25
	Q11604CB	600	400	412	1408			£42.28
	Q11605CB	600	500	516	1759			£49.41
	Q11606CB	600	600	619	2111			£58.68
	Q11607CB	600	700	722	2463			£67.80
	Q11608CB	600	800	825	2815			£76.72
	Q11609CB	600	900	928	3167			£86.32
	Q11610CB	600	1000	1031	3519			£95.84
	Q11611CB	600	1100	1134	3871			£103.36
	Q11612CB	600	1200	1237	4223			£110.85
	Q11613CB	600	1300	1340	4574			£122.45
	Q11614CB	600	1400	1443	4926			£132.49
	Q11615CB	600	1500	1547	5278			£156.60
	Q11616CB	600	1600	1650	5630			£161.71
	Q11618CB	600	1800	1856	6334			£181.93
	Q11620CB	600	2000	2062	7038			£202.16

	PRODUCT CODE	HEIGHT (MM)	LENGTH (MM)	WATTS ΔT50	BTU/HR ΔT50	DRY WEIGHT (KG/METRE)	WATER CONTENT (L/METRE)	LIST PRICE
Double Panel Plus	Q21604CB	600	400	570	1945	29.56	6.20	£67.07
	Q21605CB	600	500	713	2432			£79.70
	Q21606CB	600	600	855	2918			£94.74
	Q21607CB	600	700	998	3404			£109.42
	Q21608CB	600	800	1140	3891			£123.82
	Q21609CB	600	900	1283	4377			£137.62
	Q21610CB	600	1000	1425	4864			£148.77
	Q21611CB	600	1100	1568	5350			£163.65
	Q21612CB	600	1200	1710	5836			£178.50
	Q21613CB	600	1300	1853	6323			£194.39
	Q21614CB	600	1400	1995	6809			£214.49
	Q21616CB	600	1600	2280	7782			£261.81
	Q21618CB	600	1800	2565	8754			£311.00
	Q21620CB	600	2000	2850	9727			£369.47
Double Convector	Q22603CB	600	300	574	1960	35.93	6.10	£63.93
	Q22604CB	600	400	766	2613			£77.98
	Q22605CB	600	500	957	3266			£95.63
	Q22606CB	600	600	1148	3919			£113.63
	Q22607CB	600	700	1340	4573			£131.27
	Q22608CB	600	800	1531	5226			£144.37
	Q22609CB	600	900	1723	5879			£160.58
	Q22610CB	600	1000	1914	6532			£178.43
	Q22611CB	600	1100	2105	7186			£196.30
	Q22612CB	600	1200	2297	7839			£214.12
	Q22613CB	600	1300	2488	8492			£233.36
	Q22614CB	600	1400	2680	9145			£257.28
	Q22615CB	600	1500	2871	9799			£280.45
	Q22616CB	600	1600	3062	10452			£314.02
	Q22618CB	600	1800	3445	11758			£353.28
	Q22620CB	600	2000	3828	13065			£392.55
Single Convector	Q11703CB	700	300	350	1194	21.58	3.53	£67.40
	Q11704CB	700	400	466	1592			£51.93
	Q11705CB	700	500	583	1990			£63.69
	Q11706CB	700	600	700	2388			£75.69
	Q11707CB	700	700	816	2786			£87.32
	Q11708CB	700	800	933	3184			£93.85
	Q11709CB	700	900	1049	3582			£101.67
	Q11710CB	700	1000	1166	3980			£112.95
	Q11711CB	700	1100	1283	4378			£123.87
	Q11712CB	700	1200	1399	4775			£135.53
	Q11714CB	700	1400	1632	5571			£162.85
Double Convector	Q22703CB	700	300	645	2200	41.90	7.00	£82.91
	Q22704CB	700	400	860	2934			£98.51
	Q22705CB	700	500	1075	3667			£120.80
	Q22706CB	700	600	1289	4401			£139.62
	Q22707CB	700	700	1504	5134			£158.65
	Q22708CB	700	800	1719	5868			£179.51
	Q22709CB	700	900	1934	6601			£201.95
	Q22710CB	700	1000	2149	7335			£214.19
	Q22711CB	700	1100	2364	8068			£235.58
	Q22712CB	700	1200	2579	8801			£257.02
	Q22714CB	700	1400	3009	10268			£308.86

All prices exclude VAT. Pricing effective from 1st of January 2018.

# Mounting Details

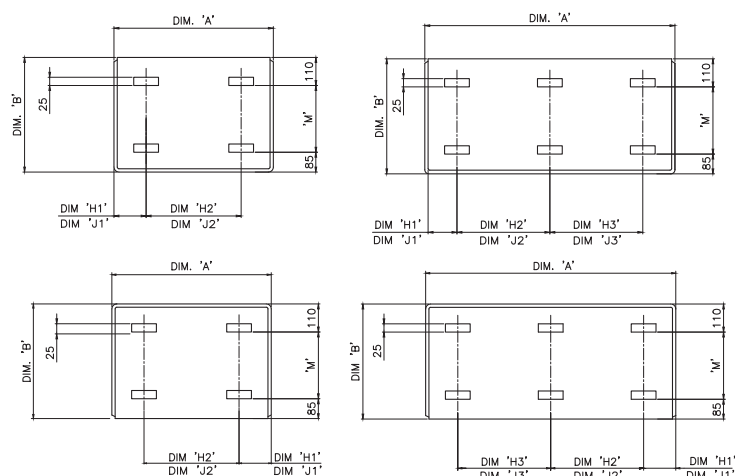


## Wall Bracket and Lug Locations

	LENGTH	A	J1	J2	J3
Single Convector	300	295	85	125	
	400	395	135	125	
	500	495	160	175	
	600	595	160	275	
	700	695	160	375	
	800	795	160	475	
	900	895	160	575	
	1000	995	160	675	
	1100	1095	160	775	
	1200	1195	160	875	
	1300	1295	160	975	
	1400	1395	160	1075	
Double Convector Double Panel Plus	1500	1495	160	1175	
	1600	1595	160	1275	
	1800	1795	160	750	725
	2000	1995	160	850	825



	LENGTH	A	H1	H2	H3
Single Convector	300	295	72	150	
	400	395	122	150	
	500	495	122	250	
	600	595	122	350	
	700	695	122	450	
	800	795	122	550	
	900	895	122	650	
	1000	995	122	750	
	1100	1095	122	850	
	1200	1195	122	950	
	1300	1295	122	1050	
	1400	1395	122	1150	
Double Convector Double Panel Plus	1500	1495	122	1250	
	1600	1595	122	1350	
	1800	1795	122	775	775
	2000	1995	122	875	875



	HEIGHT	D	M
Single Convector Double Convector Double Panel Plus	300	253	105
	400	353	205
	500	453	305
	600	553	405
	700	653	505



QRL Radiator Group, Imperial Park, Newport, South Wales, NP10 8FS  
T: +44 (0) 1633 657 000 E: [info@barlo-radiators.com](mailto:info@barlo-radiators.com)

[www.barlo.co.uk](http://www.barlo.co.uk)

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