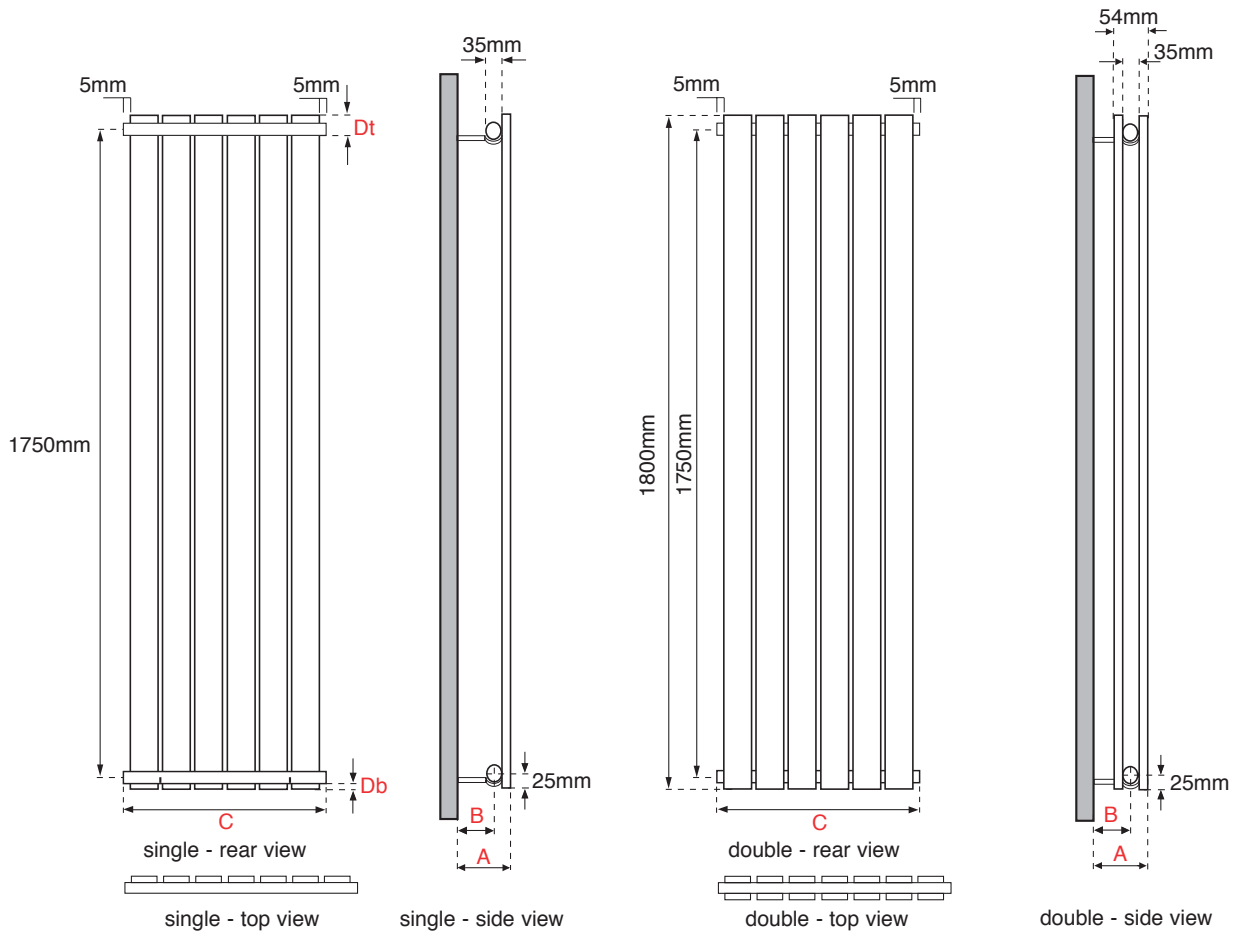


APOLLO livorno vertical technical specification



LIVORNO VERTICAL DIMENSIONS (mm)

MODEL HEIGHT			1800
Width of radiator			(No. sections x 75) + 5
Tube width			70
Tube depth			11
Section width (tube + space)			75
Wall to front of rad		(A)	95
Wall to pipe centres	Side entry	(B)	55
	Bottom entry		N/A
Tapping centres	Side entry	(C)	Width of rad
	Bottom entry		N/A
Pipe centres	Side entry		Width plus valves
	Bottom entry		N/A
Bracket positions	Top	(Dt)	40
	Bottom	(Db)	5

ADDITIONAL INFORMATION

Material		E235 grade steel
Steel tube measurements		11mm x 70mm
Steel thickness	Collector	1.5mm
	Tubes	1.5mm
Maximum working pressure		4 bar/400 kPa
Testing pressure		5.2 bar/520 kPa
Maximum working temperature		95°C

The thermal outputs expressed at $\Delta T=50k$ comply with European regulation EN 442-2

LIVORNO SINGLE WHITE 1800 HIGH WEIGHTS AND VOLUMES (per section)

Model height mm	300	450	600
Dry weight (A) Kg	13.20	19.80	26.40
Water content (B) Litres	4.20	6.30	8.40
Working weight (A+B) Kg	17.40	26.10	34.80
Outputs: Watts $\Delta T=50k$	632	948	1264

LIVORNO SINGLE CHROME 1800 HIGH WEIGHTS AND VOLUMES (per section)

Model height mm	300	450	600
Dry weight (A) Kg	13.20	19.80	26.40
Water content (B) Litres	4.20	6.30	8.40
Working weight (A+B) Kg	17.40	26.10	34.80
Outputs: Watts $\Delta T=50k$	507	760	1013

LIVORNO DOUBLE WHITE 1800 HIGH WEIGHTS AND VOLUMES (per section)

Model height mm	300	450	600
Dry weight (A) Kg	25.80	38.80	51.70
Water content (B) Litres	7.80	11.80	15.70
Working weight (A+B) Kg	33.60	50.60	67.40
Outputs: Watts $\Delta T=50k$	980	1470	1960

TEMPERATURE

FACTORS FOR DIFFERENCES BETWEEN MEAN WATER TEMPERATURE AND ROOM TEMPERATURE IN °C AND °F OTHER THAN 50 °C (90 °F)

5 °C	0.050		
10 °C	0.123	10 °F	0.057
15 °C	0.209	20 °F	0.142
20 °C	0.304	30 °F	0.240
25 °C	0.406	40 °F	0.348
30 °C	0.515	50 °F	0.466
35 °C	0.629	60 °F	0.590
40 °C	0.748	70 °F	0.721
45 °C	0.872	80 °F	0.858
50 °C	1.000	90 °F	1.000
55 °C	1.132	100 °F	1.147
60 °C	1.267	110 °F	1.298
65 °C	1.406	120 °F	1.454
70 °C	1.549	130 °F	1.613
75 °C	1.694	140 °F	1.776

TO APPLY THE FACTORS SHOWN IN THE TABLE TO OUR QUOTED OUTPUTS. MULTIPLY THE QUOTED OUTPUT BY THE CHOSEN OPERATING FACTOR TO GIVE THE OUTPUT