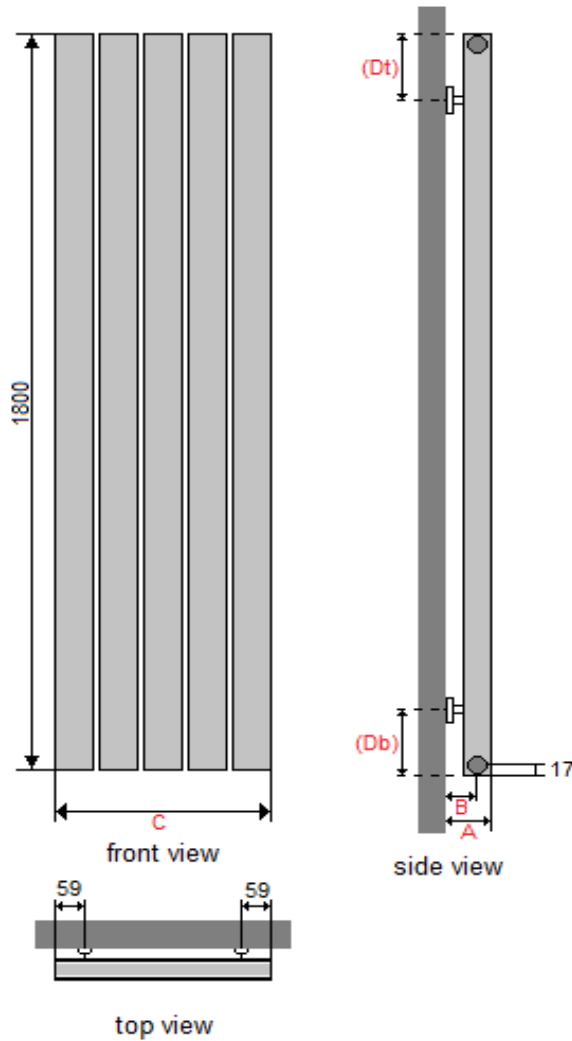


APOLLO malpensa flat vertical technical specification



MALPENSA FLAT VERTICAL DIMENSIONS (mm)							
MODEL HEIGHT			1800				
Actual width of radiator			(No. of sections x 80) - 2				
No. of sections		5	6	7	8	9	
Section depth x width			38 x 78				
Back wall to front of rad		(A)	75				
Back wall to pipe centres	Side entry	(B)	56				
	Bottom entry		N/A				
Tapping centres	Side entry	(C)	398	478	558	638	718
	Bottom entry		N/A				
Bracket positions	Top	(Dt)	150				
	Bottom	(Db)	150				
Tappings			1/2"				

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

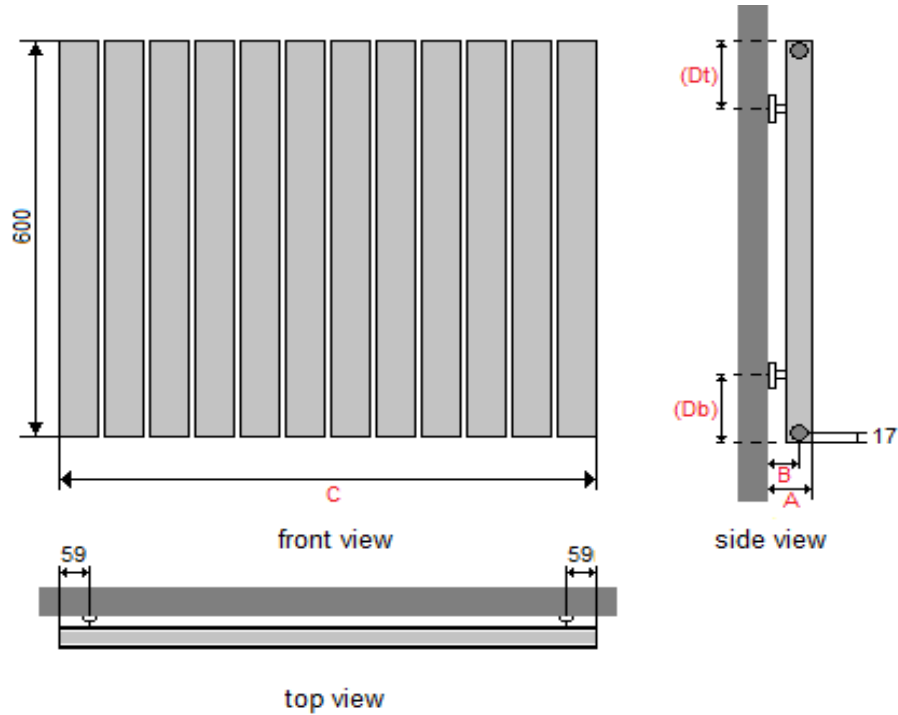
MALPENSA FLAT VERTICAL WEIGHTS AND VOLUMES (per radiator)					
Model Width (mm)	400	480	560	640	720
Dry Weight (A) Kg	10.15	12.18	14.21	16.24	18.27
Water content (B) Litres	4.60	5.50	6.40	7.30	8.20
Working weight (A+B) Kg	14.75	17.68	20.61	23.54	26.47
Outputs: Watts ΔT=50k	940	1128	1316	1504	1692

The thermal outputs expressed at ΔT=50k comply with European regulation EN 442-2

ADDITIONAL INFORMATION	
Material	Aluminium
Alloy thickness	1.5mm
Maximum working pressure	16 bar
Maximum working temperature	90°C

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

APOLLO malpensa flat horizontal technical specification



MALPENSA FLAT HORIZONTAL DIMENSIONS (mm)								
MODEL HEIGHT	600							
Actual width of radiator	(No. of sections x 80) - 2							
No. of sections	6	8	10	12	15	18		
Section depth x width	38 x 78							
Back wall to front of rad	(A)	75						
Back wall to pipe centres	Side entry	(B)	56					
	Bottom entry	N/A						
Tapping centres	Side entry	(C)	478	638	798	958	1198	1438
	Bottom entry	N/A						
Bracket positions	Top	(Dt)	150					
	Bottom	(Db)	150					
Tappings	1/2"							

MALPENSA FLAT HORIZONTAL WEIGHTS AND VOLUMES (per radiator)							
Model Width (mm)	478	638	798	958	1198	1438	
Dry Weight (A) Kg	4.02	5.36	6.70	8.04	10.05	12.06	
Water content (B) Litres	2.00	2.60	3.30	4.00	5.00	6.00	
Working weight (A+B) Kg	7.00	8.60	11.30	13.00	17.00	20.00	
Outputs: Watts $\Delta T=50k$	420	560	700	840	1050	1260	

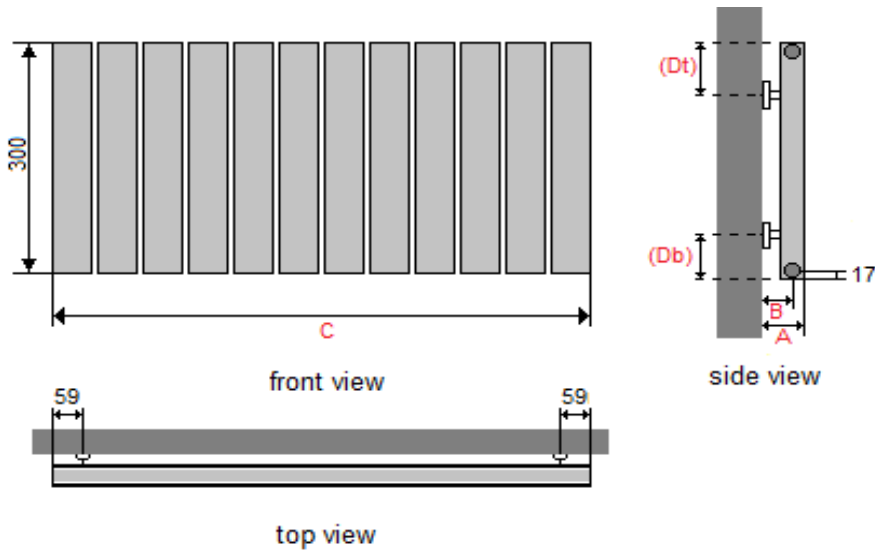
The thermal outputs expressed at $\Delta T=50k$ comply with European regulation EN 442-2

ADDITIONAL INFORMATION	
Material	Aluminium
Alloy thickness	1.5mm
Maximum working pressure	16 bar
Maximum working temperature	90°C

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

APOLLO malpensa flat low level technical specification



MALPENSA FLAT LOW LEVEL DIMENSIONS (mm)				
MODEL HEIGHT			300	
Actual width of radiator			(No. of sections x 80) - 2	
No. of sections			12	15
Section depth x width			38 x 78	
Back wall to front of rad		(A)	75	
Back wall to pipe centres	Side entry	(B)	56	
	Bottom entry		N/A	
Tapping centres	Side entry	(C)	958	1198
	Bottom entry			1438
Bracket positions	Top	(Dt)	150	
	Bottom	(Db)	150	
Tappings			1/2"	

MALPENSA FLAT LOW LEVEL WEIGHTS AND VOLUMES (per radiator)			
Model Width (mm)	960	1200	1440
Dry Weight (A) Kg	4.08	5.10	6.12
Water content (B) Litres	2.00	2.50	2.90
Working weight (A+B) Kg	6.08	7.30	9.02
Outputs: Watts $\Delta T=50k$	420	525	630

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

ADDITIONAL INFORMATION	
Material	Aluminium
Alloy thickness	1.5mm
Maximum working pressure	16 bar
Maximum working temperature	90°C

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