APOLLO ferrara vertical technical specification

FERRARA VERTICAL DIMENSIONS (mm)					
MODEL HEIGHTS 1000, 1200, 1400, 1800, 2000					
Width of radiator			290	410	530
No. of sections			5	7	9
Tube width			50		
Tube depth			30		
Section width	(tube + space)		60		
Radiator width			(No. of sections x 60) - 10		
Wall to front of rad		(A)	70		
Wall to pipe centres	Side entry	(Bs)	25		
	Bottom entry	(B)	55		
Tapping centres	Side entry	(C)	As width		
	Bottom entry	(D)	Width less 50		
Pipe centres	Side entry		Width plus valves		
	Bottom entry		Width less 50		
Brackets position	Top	(Et)	110		
	Bottom	(Eb)	110		

FERRARA 1000 HIGH WEIGHTS AND VOLUMES (per radiator)			
Model Width (mm)	290	410	530
Dry Weight (A) Kg	9.90	13.90	17.90
Water content (B) Litres	7.80	11.10	14.50
Working weight (A+B) Kg	17.70	25.00	32.40
Outputs: Watts ΔT=50k	659	923	1186

FERRARA 1200 HIGH WEIGHTS AND VOLUMES (per radiator)			
Model Width (mm)	290	410	530
Dry Weight (A) Kg	11.50	16.00	20.60
Water content (B) Litres	9.30	13.20	17.20
Working weight (A+B) Kg	20.80	29.20	37.80
Outputs: Watts ΔT=50k	755	1058	1359

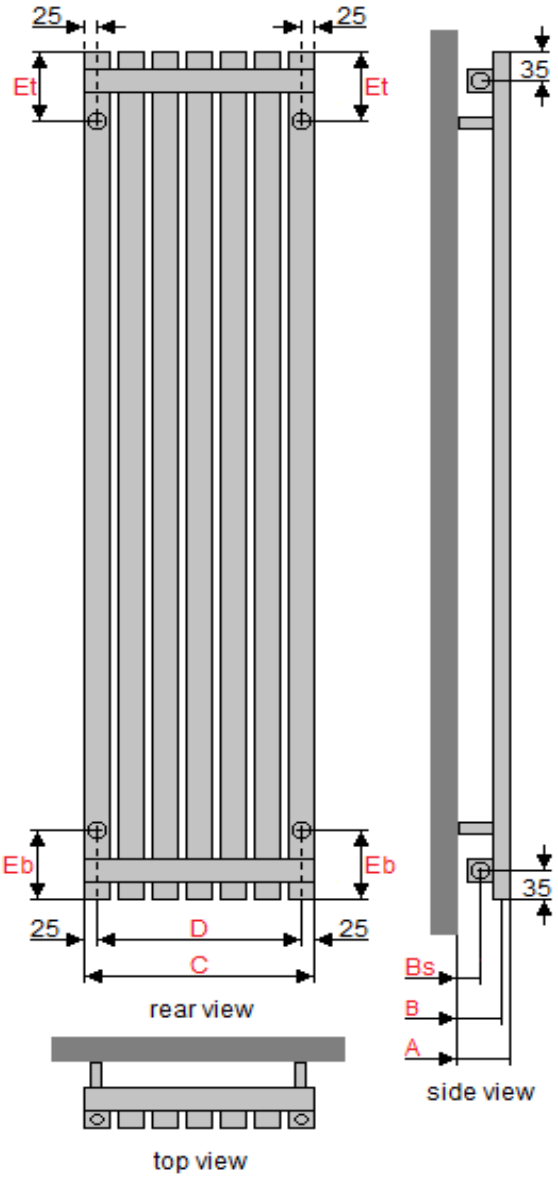
FERRARA 1400 HIGH WEIGHTS AND VOLUMES (per radiator)			
Model Width (mm)	290	410	530
Dry Weight (A) Kg	13.80	18.50	23.20
Water content (B) Litres	10.80	15.30	19.90
Working weight (A+B) Kg	24.60	33.80	43.10
Outputs: Watts ΔT=50k	858	1201	1543

FERRARA 1800 HIGH WEIGHTS AND VOLUMES (per radiator)			
Model Width (mm)	290	410	530
Dry Weight (A) Kg	16.70	22.60	28.50
Water content (B) Litres	13.80	19.50	25.30
Working weight (A+B) Kg	30.50	42.10	53.80
Outputs: Watts ΔT=50k	1090	1526	1961

FERRARA 2000 HIGH WEIGHTS AND VOLUMES (per radiator)			
Model Width (mm)	290	410	530
Dry Weight (A) Kg	18.20	24.70	32.00
Water content (B) Litres	15.30	21.60	28.00
Working weight (A+B) Kg	33.50	46.30	60.00
Outputs: Watts ΔT=50k	1199	1679	2157

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

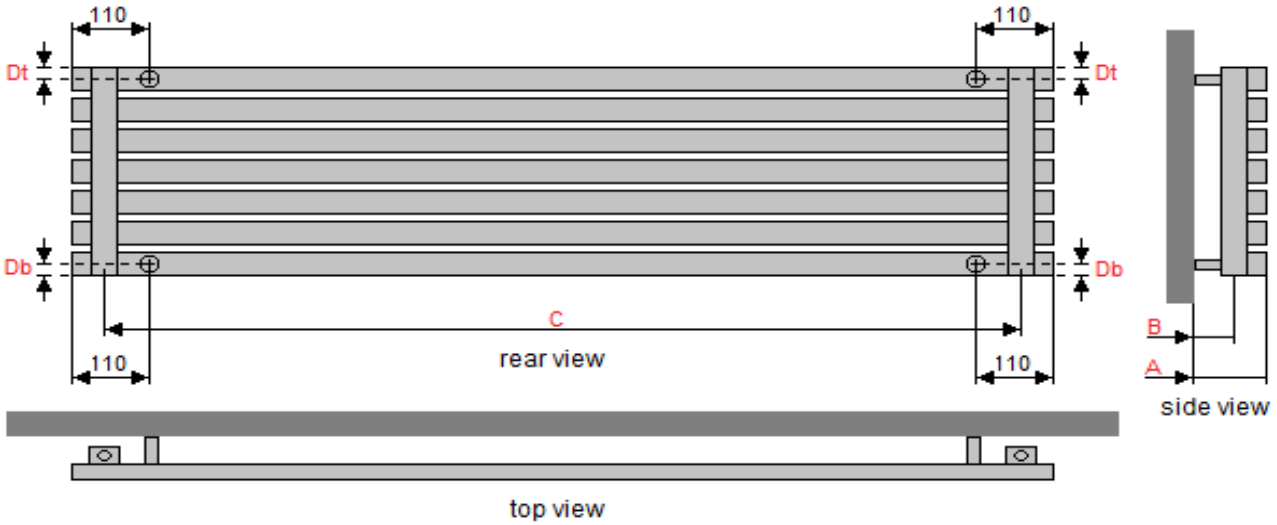
ADDITIONAL INFORMATION	
Material	304 grade stainless steel
Steel tube measurements	30mm x 50mm
Steel thickness	1.2mm
Maximum working pressure	4 bar/400kPa
Testing pressure	6 bar/600kPa
Maximum working temperature	90°C



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 ferrara horizontal technical specification



FERRARA HORIZONTAL DIMENSIONS (mm)					
MODEL WIDTHS 1000, 1200, 1400, 1800, 2000					
Height of radiator			290	410	530
No. of sections			5	7	9
Tube height			50		
Tube depth			30		
Section height	(tube + space)		60		
Radiator height			(No. of sections x 60) - 10		
Wall to front of rad		(A)	70		
Wall to pipe centres	Side entry		Not recommended		
	Bottom entry	(B)	25		
Tapping centres	Side entry		N/A		
	Bottom entry	(C)	Width less 70		
Pipe centres	Side entry		N/A		
	Bottom entry		Width less 70		
Brackets position	Top	(Dt)	25		
	Bottom	(Db)	25		

ADDITIONAL INFORMATION	
Material	304 grade stainless steel
Steel tube measurements	30mm x 50mm
Steel thickness	1.2mm
Maximum working pressure	4 bar/400kPa
Testing pressure	6 bar/600kPa
Maximum working temperature	90°C

FERRARA 1000 WIDE WEIGHTS AND VOLUMES (per radiator)			
Model height (mm)	290	410	530
Dry Weight (A) Kg	9.90	13.90	17.90
Water content (B) Litres	7.80	11.10	14.50
Working weight (A+B) Kg	17.70	25.00	32.40
Outputs: Watts ΔT=50k	659	923	1186

FERRARA 1200 WIDE WEIGHTS AND VOLUMES (per radiator)			
Model height (mm)	290	410	530
Dry Weight (A) Kg	11.50	16.00	20.60
Water content (B) Litres	9.30	13.20	17.20
Working weight (A+B) Kg	20.80	29.20	37.80
Outputs: Watts ΔT=50k	755	1058	1359

FERRARA 1400 WIDE WEIGHTS AND VOLUMES (per radiator)			
Model height (mm)	290	410	530
Dry Weight (A) Kg	13.80	18.50	23.20
Water content (B) Litres	10.80	15.30	19.90
Working weight (A+B) Kg	24.60	33.80	43.10
Outputs: Watts ΔT=50k	858	1201	1543

FERRARA 1800 WIDE WEIGHTS AND VOLUMES (per radiator)			
Model height (mm)	290	410	530
Dry Weight (A) Kg	16.70	22.60	28.50
Water content (B) Litres	13.80	19.50	25.30
Working weight (A+B) Kg	30.50	42.10	53.80
Outputs: Watts ΔT=50k	1090	1526	1961

FERRARA 2000 WIDE WEIGHTS AND VOLUMES (per radiator)			
Model height (mm)	290	410	530
Dry Weight (A) Kg	18.20	24.70	32.00
Water content (B) Litres	15.30	21.60	28.00
Working weight (A+B) Kg	33.50	46.30	60.00
Outputs: Watts ΔT=50k	1199	1679	2157

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

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°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			