

PLAN PLUS VERTICAL



PLAN PLUS



PLAN
VERTICAL



PLAN & PLAN PLUS



PLAN

The PLAN range offers a contemporary alternative to the traditional panel radiator. Achieving a radiator range that has a minimalist feel, combining good looks with leading performance.

The sleek flat front panel design of the PLAN offers a contemporary alternative to the traditional panel radiator. Whilst maintaining all of the benefits, the PLAN PLUS model takes this modern styling one step further with a decorative, rather than flat, front panel. Both models feature side panels and top grille.

The PLAN Vertical and PLAN PLUS Vertical both feature the same front panel design as the PLAN & PLAN PLUS, however, have the addition of curved rather than straight side panels.

- Available in 5 heights and 14 lengths, ranging from 400mm to 3000mm, the PLAN range comes in over 136 stocked sizes, while the PLUS range is offered in 94 stocked sizes
- Both models feature Type 11, Type 21 and Type 22 profiles, with the PLAN additionally available as a Type 33 profile (vertical models are only available in Type 21 & 22)

PLAN VERTICAL & PLAN PLUS VERTICAL

GENERAL SPECIFICATION & TECHNICAL INFORMATION



CERTIFICATION

Manufactured and tested to BS EN 442. Carries the BS Kitemark. Produced under a quality management system - ISO 9001:2008 and environmental management system - ISO 14001:2004.



GUARANTEE

10 year guarantee from date of purchase against manufacturing defects.



COLOUR

All radiators are de-greased, phosphated and primer coated. An epoxy polyester finishing coat in white (RAL 9016) is applied to all front and rear surfaces.



ACCESSORIES

Touch up paint available on request.



SYSTEM

2 pipe pumped indirect domestic and commercial heating applications.



CONNECTIONS

6 x 1/2" BSP. Please see below.



AIR VENTS

Air vent and plug packs are included in the packaging.



OPERATING PRESSURES

Tested to a pressure of 8 bar.
Working pressure of up to 6 bar.



OPERATING TEMPERATURE

Maximum 100°C.



DELIVERY

2 - 5 working days.



VALVES

Please see page 205.

For more general information, please see page 250.

WEIGHTS & WATER CONTENTS PER METRE LENGTH

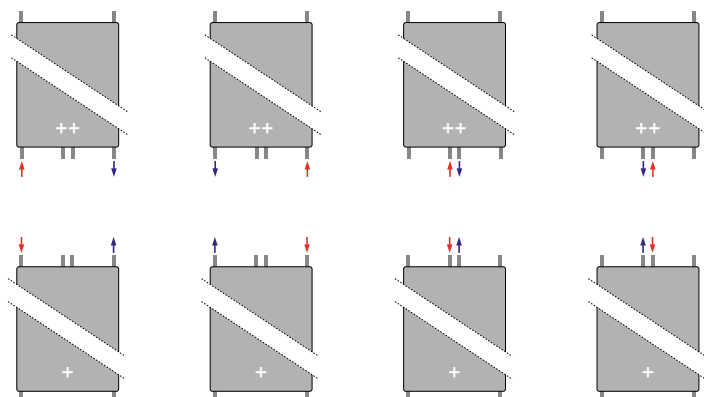
Type	Nominal Height (mm)			
	1800		1950	
	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)
21	100.27	21.47	109.33	24.13
22	111.60	21.73	123.73	23.47

n-COEFFICIENTS

Type	Nominal Height (mm)	
	1800	1950
21	1.3192	1.3231
22	1.3387	1.4255

CONNECTION OPTIONS

6 x 1/2" BSP (15/21)



++ very good
+ good

MOUNTING POSITIONS & DIMENSIONS

Type 21

Type 22

	Type	
	21	22
A (mm)	111	136
B (mm)	67	67
C (mm)	27	27

Top View

Type 21

Type 22

BRACKET POSITIONS & DIMENSIONS

B = height
C = length

sizes in mm

Length C (mm)	C ₁ (mm)	C ₂ (mm)
300	75	50
450	100	125
600	175	200
750	250	275

Height B (mm)	B ₁ (mm)	B ₂ (mm)	B ₃ (mm)
1800	150	250	1450
1950	150	250	1600

FLOOR BRACKETS

Floor Brackets

Bottom Bracket
Types 21 and 22

Top Bracket
Types 21 and 22

NB: All measurements are nominal.

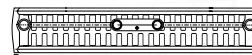
PLAN VERTICAL

HEAT OUTPUTS

Type 21



Type 22



Nominal Height	Nominal Length (mm)
1800mm	300
	450
	600
	750
1950mm	300
	450
	600
	750

Heat Outputs @ ΔT 50°C		Heat Outputs @ ΔT 30°C		Order Code
Watts	Btu/h	Watts	Btu/h	
886	3023	452	1542	180 PX 30G
1329	4535	678	2313	180 PX 45G
1772	6046	903	3081	180 PX 60G
2215	7558	1129	3852	180 PX 75G
936	3194	476	1624	195 PX 30G
1405	4794	714	2436	195 PX 45G
1873	6391	953	3252	195 PX 60G
2341	7987	1191	4064	195 PX 75G

Heat Outputs @ ΔT 50°C		Heat Outputs @ ΔT 30°C		Order Code
Watts	Btu/h	Watts	Btu/h	
1046	3569	528	1802	180 PD 30G
1569	5353	792	2702	180 PD 45G
2092	7138	1056	3603	180 PD 60G
2615	8922	1320	4504	180 PD 75G
1103	3763	532	1815	195 PD 30G
1654	5643	798	2723	195 PD 45G
2205	7523	1065	3634	195 PD 60G
2756	9403	1331	4541	195 PD 75G

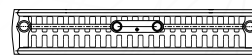
PLAN PLUS VERTICAL

HEAT OUTPUTS

Type 21



Type 22



Nominal Height	Nominal Length (mm)
1800mm	300
	450
	600
	750
1950mm	300
	450
	600
	750

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