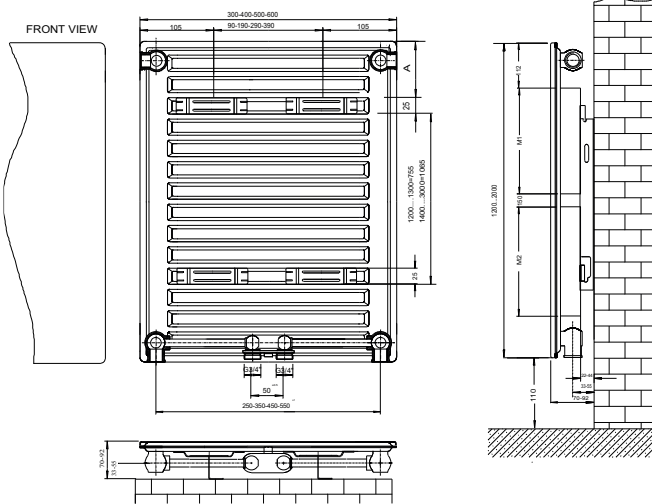
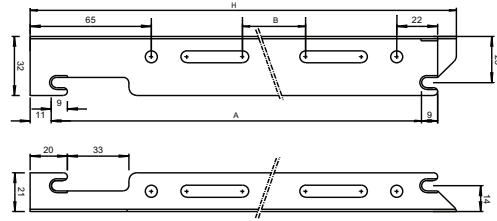


Ultraheat Planal Vertical - Technical Information

VPS



Concealed Wall Brackets 900, 1200mm

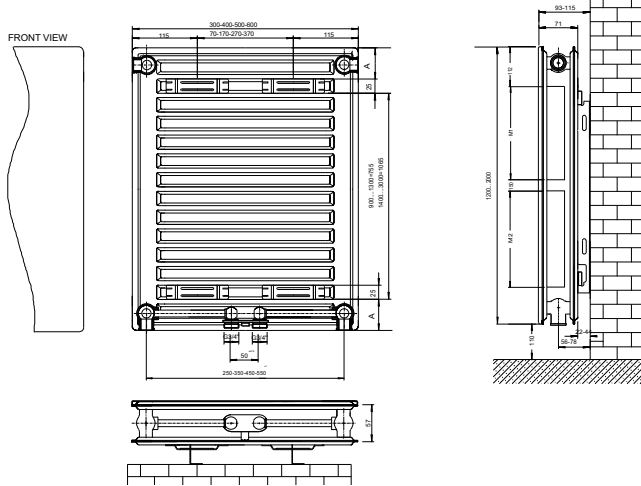


Height	H	A	B
900	785	755	590
1200	1085	1055	890

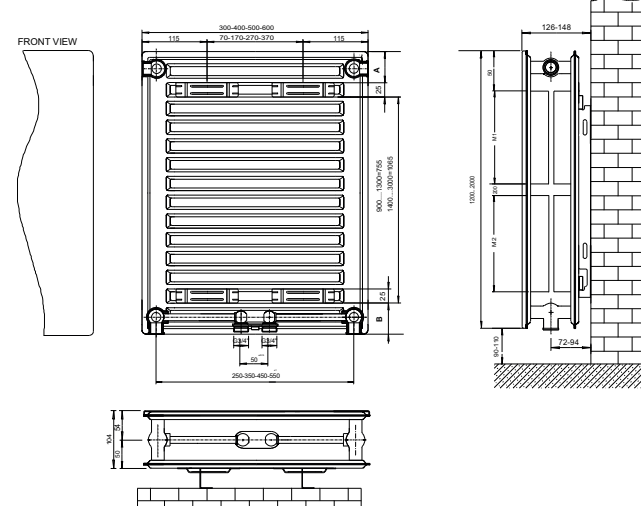
Length	A	B	M1	M2
VPS				
1200	210	210	605	205
1400	310	310	605	425
1600	255	255	605	625
1800	355	355	805	625
2000	455	455	805	805
VPH				
1200	212	-	425	425
1400	312	-	425	625
1600	245	-	625	625
1800	345	-	625	825
2000	445	-	825	825

△ Factors in C Other Than △ T50					
64C	1.380	48C	0.948	32C	0.558
62C	1.324	46C	0.897	30C	0.513
60C	1.268	44C	0.846	28C	0.469
58C	1.213	42C	0.796	26C	0.426
56C	1.159	40C	0.747	24C	0.383
54C	1.105	38C	0.699	22C	0.342
52C	1.052	36C	0.651	20C	0.302
50C	1.000	34C	0.604		

VPH



VPD



IMPORTANT

Please read the following carefully before installing your ULTRAHEAT radiator:

- Due to policy of continued improvement in both design and performance of the products, the right is reserved to alter any details contained in this brochure without notification.
- VPH is supplied with top grill side panels where VPS is just the panel with no top grill and side panels.
- Approved and registered according to DIN - NF and also conform to ISO and BS EN 442.
- All ultraheat radiators are manufactured under a BS EN ISO 9002 : 1994 Quality System approved by BSI.
- All prices are subject to VAT.

- **DO** make sure that you have a good design and layout of your central heating system as this will ensure satisfactory functioning of the system in general and the radiators in particular.
 - **DO** vent your system properly. Leaks and corrosion problems are usually due to excess air getting into the system.
 - **DO** pay attention that the drain points are really at the lowest points in the system.
 - **DO** make absolutely certain that the system is thoroughly flushed before it is commissioned. Rinse out all metal, flux and other foreign residues, the cause of pin-holing.
 - **DO** avoid over pumping the system, which causes negative pressure aeration, one of the commonest causes of corrosion.
 - **DO** add an approved chemical inhibitor as an additional safeguard, but remember that it is no substitute for good installation practice.
 - **DO** observe the above basic rules. Not only will you protect guarantee, but you will have years of trouble-free service from your radiator.
- Don't Forget - the best radiators deserve the best installation practice.**

- **10 Year Guarantee:** each radiator is individually tested and supplied complete with a 10 year guarantee against any defects caused by faulty materials and manufacture. All radiators are tested to 13 Bars before despatch to guarantee a working pressure of 10 Bars.
 - **Quality:** all radiators are manufactured under BS EN ISO 9000 quality system accepted by BSI.
 - **Material:** conform to BS1449, Part 1 and are manufactured from 1.20mm cold rolled steel.
 - **Installation:** each radiator supplied with concealed brackets, 1/2 self jointing airvents and plugs in the protective heavy duty packaging.
- For maximum efficiency radiators should be fixed at not outside the measurements given on the drawings herein from finished floor level.
- Bottom opposite end connections pipe positioning guide for manual valve allow 35mm to centre of pipe.

- For TRV valve allow 45mm to centre of pipe.
- To prevent damage to radiator it is strongly recommended during installation to leave protective packaging on radiator by simply removing lug protectors and pre-cut tapping connection.
- **Finish:** each radiator is degreased and finished by being electrostatically powder coated with epoxy polyester stove enamel after an application of water based primer. Thereafter they are oven baked to provide an outstanding surface which requires no further painting to a high gloss finish in white enamel (RAL 9016).
- **Water Treatment:** on completion of the installation 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 System BS7593.

REF. HEAT OUTPUTS TO EN442 = ΔT 60C - PER METER LENGTH:

HEIGHT	Length inch mm	Single VPS		Single Plus VPH		VPD	
		Watts	Btu	Watts	Btu	Watts	Btu
47.2	1200	1596	5454	3471	11858		
56.1	1400	1842	6293	4018	13724		
63.0	1600	2108	7200	4566	15599		
70.9	1800	2371	8099	5163	17636		
78.7	2000	2634	8998	5737	19597		