Heat Delivery Systems

Plinth Heater Range

Unlike conventional systems the Widney plinth range can offer significant advantages over conventional heat delivery systems.
The benefit of fan assisted heating increases airflow in the room **reducing stratification** and improving warm up times.
All Widney heating systems are designed to be fitted as a replacement for a conventional electric wall panel or radiator and offer the advantage of **reduced space requirements** and unobtrusive installation.
Installation can be simply undertaken with minimal disruption to the aesthetics of the room and in the case of the ***WIDTHERM*** system comes complete with a built in **thermostat.**
The combination of heating radiator and fan ensures that the Carbon Footprint of the room is kept to a minimum and the room or home is heated efficiently.

Model No	Output			Power Comsumption
PH350-5	350W/500W Factory Set			350W 500W
PH700	700W			700W
MPR1000	Assessment as defined in BS 4858 part 1 Flow rate = 4 litres/min Max Operating Pressure 3 Bar			
MPR1000LV	Low Voltage Model Supplied to IP65 Rating			
MPR2000	Assessment as defined in BS 4858 part 1 Flow rate = 4 litres/min Max Operating Pressure 3 Bar			
Output (Boost setting)				
Inlet Water Temperature	65°C	55°C	45°C	Power Comsumption
Btu/hr - MPR1000 / LV MPR2000	3520 7040	2990 5980	2530 5060	18W 22W
kW - MPR1000 / LV MPR2000	1.03 2.06	0.87 1.74	0.74 1.48	
Output (Nominal setting)				
Btu/hr - MPR1000 / LV MPR2000	2950 5900	2510 5020	2120 4240	18W 22W
kW - MPR1000 / LV MPR2000	0.87 1.74	0.74 1.48	0.63 1.26	
Summer - MPR1000 / LV Cool Blow - MPR2000				18W 22W

**Providing the same Δ T calculation is used.
The outputs quoted in this publication are based on a Δ T of 65°C. To calculate other operating conditions, the following example should be applied:
EXAMPLE:
Add flow water temperature (75°C) and the return water temperature (71°C) together (146°C), divide by two (73°C) and then subtract the room temperature (20°C). This will give you a ΔT factor of 53°C

PH all Electric range:
Environmentally conscious, the heat output is delivered effectively and efficiently from a low power consumption electric element.
The PH range of heaters are quiet enough to be used in bedrooms and are fitted with a switch on the front panel for individual control. The operation of the unit ensures that the airflow is maintained and provides more even stratification of heat in the home.

WIDTHERM MPR1000 / 2000 Water driven Heat delivery - Intended for use in areas where a wall mounted radiator may be difficult to install or particularly obtrusive. It replaces the function of the radiator by providing fan blown, effective, efficient heat.

Uniquely the heater comes as standard with a **thermostat** and has both **boost** and **cool blow** settings.

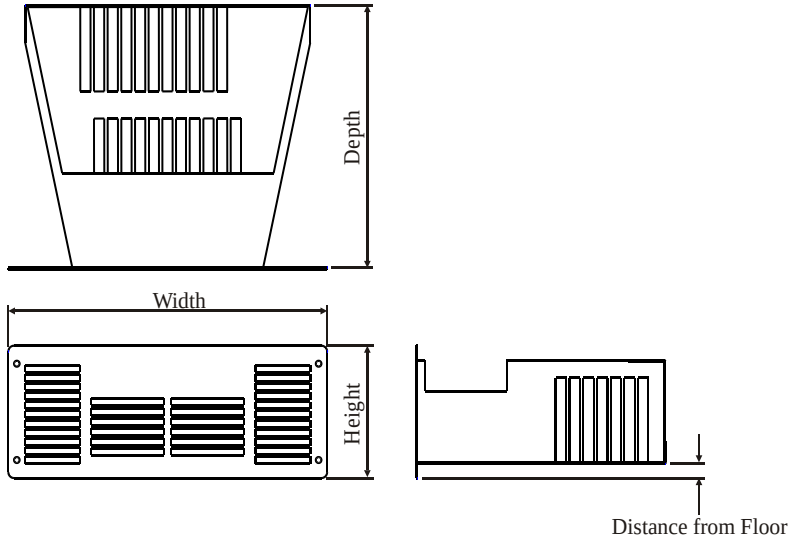
The ***WIDTHERM*** will heat the room faster than an equivalent sized radiator and because of the highly efficient heat exchanger. In operation the ***WIDTHERM*** will give an approximate equivalent heat output to that of a 1600x 620 ** single / twin panel radiator.
Also available in Low Voltage Form for use in bathrooms.

PH350-5; PH700, (All Dimensions in mm)

Height	Width	Depth	Cut-out	Distance from floor
110	280	218	250w x 85h	12.5

Input connection: 3 core mains cable supplied - 1 metre

All Dimensions are approximate, please refer to User manual for full installation instructions.



Note:
This appliance is mounted with screws through the front panel - The Heater does not require additional support.

It is recommended that the unit be installed in a sealed cavity.

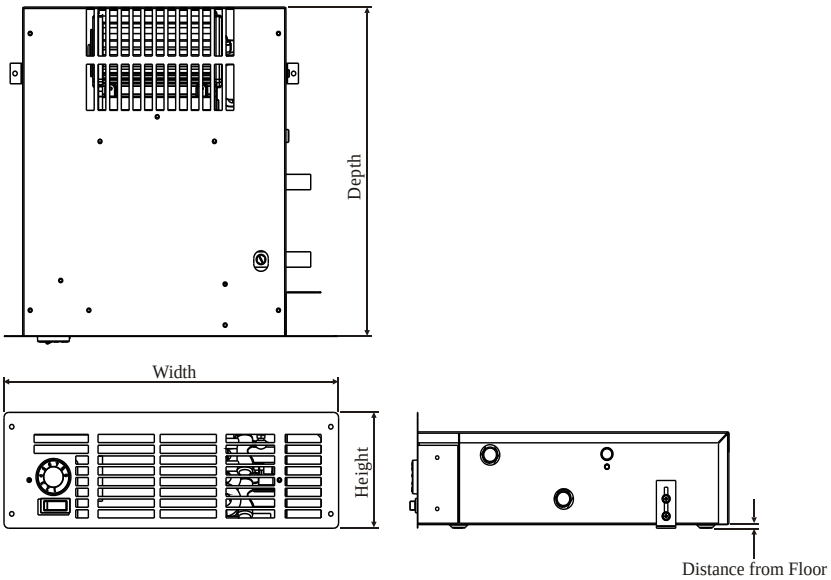
MPH500-7 is factory switchable between 500W and 700W this unit has a built in manual reset thermal cut out for additional safety

MPR1000 / MPR2000 (All Dimensions in mm)

Height	Width	Depth	Cut-out	Distance from floor
113	345	321	271w x 91h	4
113	465	321	391w x 91h	4

Input connection: 3 core mains cable supplied - 1 metre

All Dimensions are approximate, please refer to User manual for full installation instructions.



Note:
This appliance is mounted with screws through the front panel - The Heater must be supported from the underside.

An air sensing thermostat is provided to control the output from the fan.
When boost or cold blow heat settings are selected the thermostat is over-ridden.

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