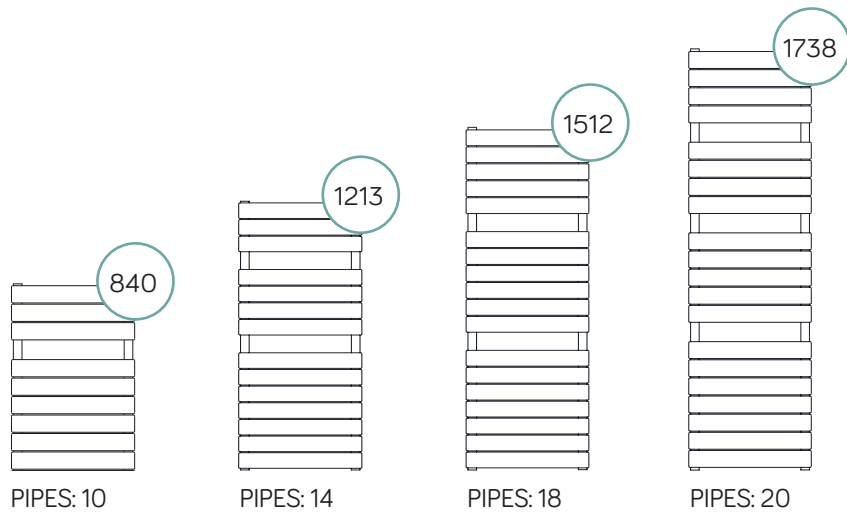


Gaia

Technical sheet





Description	Straight
Material	Carbon steel
Pipes - mm	70x11x1,5
Collectors - Ø	35x1,5
Connections	3x1/2' (air bleeding valve connection, included)
Wall fixings	4
Max operating pressure	4 bar
Max operating temperature	90 °C
Paint	Epoxy polyester powder
Packaging	Nylon bag, carton box and protections
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve

Connection					
<table border="1"> <thead> <tr> <th>Min.</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>65</td> </tr> </tbody> </table>	Min.	Max	50	65	<p> SINGLE PIPE VALVE OPTION DUAL FUEL USE </p>
Min.	Max				
50	65				
Wall distance					
<table border="1"> <thead> <tr> <th>Min.</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>80</td> <td>95</td> </tr> </tbody> </table>	Min.	Max	80	95	
Min.	Max				
80	95				

White RAL9016 - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{30} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{42,5} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Watt	Exponent n	Heating element Watt
GAS50	840	500	450	11,1	4	422	227	347	527	1,21802	500
GAM50	1213	500	450	14,9	5,7	590	316	484	738	1,22439	700
GAL50	1512	500	450	18,7	7,1	727	388	596	911	1,23177	700
GAX50	1738	500	450	21,4	7,9	833	443	682	1044	1,23735	700

Anthracite VOV12 - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{30} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{42,5} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Watt	Exponent n	Heating element Watt
GAS5A	840	500	450	11,1	4	422	227	347	527	1,21802	500
GAM5A	1213	500	450	14,9	5,7	590	316	484	738	1,22439	700
GAL5A	1512	500	450	18,7	7,1	727	388	596	911	1,23177	700
GAX5A	1738	500	450	21,4	7,9	833	443	682	1044	1,23735	700

Chrome - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{30} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{42,5} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Watt	Exponent n	Heating element Watt
GASCH	840	500	450	10,8	4,1	253	136	208	317	1,22010	300
GAMCH	1213	500	450	15,5	5,7	359	188	292	453	1,27382	300
GALCH	1512	500	450	19,7	7,1	501	258	406	636	1,30608	500

Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the output value by fixing the ΔT at 50 °C. ΔT is the difference between the average temperature of the water inside the radiator and the room temperature. The formula is: $\phi_x = \phi_{\Delta T_{50}} * (\Delta T_x / 50)^n$.

Ex.: $((75+65)/2)-20=50$ °C. For output values with a different ΔT use the following formula: $\phi_x = \phi_{\Delta T_{50}} * (\Delta T_x / 50)^n$.

See calculation example of the output at ΔT 60 °C of article 389376: $422 * (60/50)^{1,21802} = 527$.

Output values in kcal/h = watt x 0,85984.

Output values in btu = watt x 3,412.

KEY

T_1 = supply temperature - T_2 = return temperature - T_3 = room temperature.

ϕ_x = output to be calculated - $\phi_{\Delta T_{50}}$ = output at ΔT 50 °C (table) - ΔT_x = ΔT value to be calculated - n = exponent "n" (table).