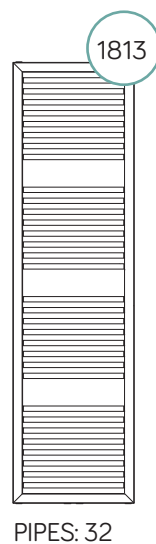
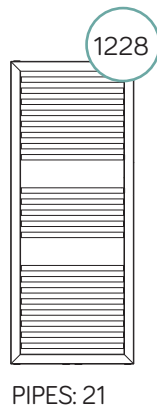
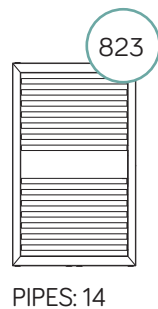


Asti

Technical sheet





Description	Straight
Material	Carbon steel
Pipes - Ø	22x0,9
Collectors - mm	40x30x1,5
Connections	5x1/2" (air bleeding valve connection, included)
Wall fixings	4
Max operating pressure	8 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 - 2 blind plugs

Connection

Min.	Max
60	70

50 WITH BOTH LATERAL AND CENTRAL 50 MM CONNECTIONS

Wall distance

Min.	Max
75	85

Pipe centres

50 mm
N1

Chrome - straight

Code	Height mm	Width mm	Pipe centre N1 mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Btu	Exponent n
384849	823	500	450	7,0	4,3	286	1225	1,24141
384851	1228	500	450	9,7	5,9	393	1683	1,23643
384853	1813	500	450	13,7	8,6	578	2478	1,24294

Anthracite VOV12 - straight

Code	Height mm	Width mm	Pipe centre N1 mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Btu	Exponent n
384843	823	500	450	6,9	4,3	395	1686	1,2233
384845	1228	500	450	9,5	5,9	586	2512	1,24662
384847	1813	500	450	13,5	8,6	861	3675	1,22679

Matt Black RAL9005 - straight

Code	Height mm	Width mm	Pipe centre N1 mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Btu	Exponent n
389958	823	500	450	6,9	4,3	395	1686	1,2233
389278	1228	500	450	9,5	5,9	586	2512	1,24662
389279	1813	500	450	13,5	8,6	861	3675	1,22679

Mineral White VOV09 - straight

Code	Height mm	Width mm	Pipe centre N1 mm	Weight kg	Water lt	$\Delta T_{50} \text{ }^{\circ}\text{C}$ Watt	$\Delta T_{60} \text{ }^{\circ}\text{C}$ Btu	Exponent n
388630	823	500	450	6,9	4,3	395	1686	1,2233
388631	1228	500	450	9,5	5,9	586	2512	1,24662
388632	1813	500	450	13,5	8,6	861	3675	1,22679

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: $\left(\frac{T_1+T_2}{2}-T_3\right)$.

Ex.: $\left(\frac{75+65}{2}-20\right)=50 \text{ }^{\circ}\text{C}$. 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 384849: $286 * (60/50)^{1,24141} = 1225$.

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).