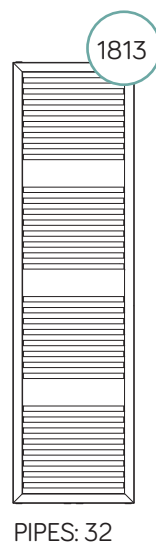
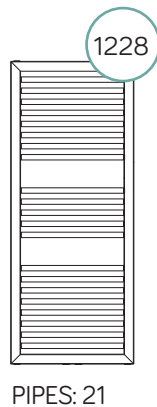
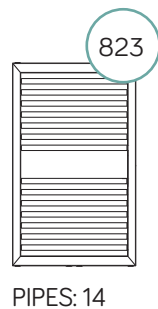


Asti

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).