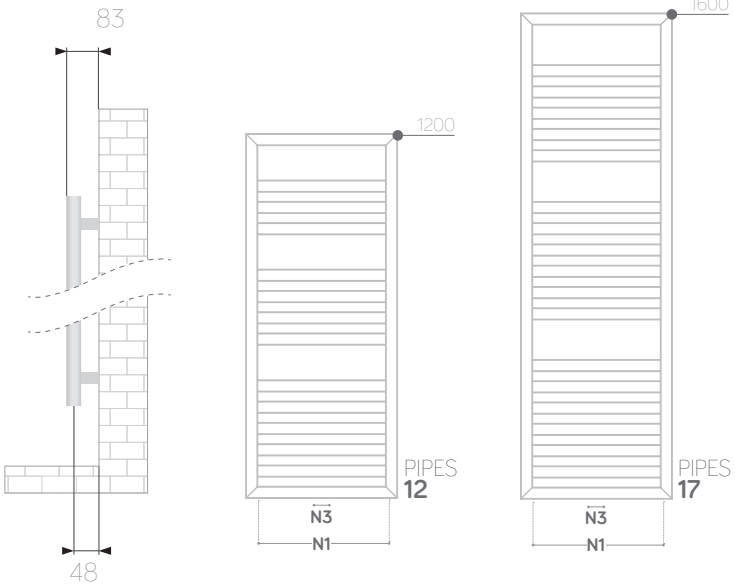
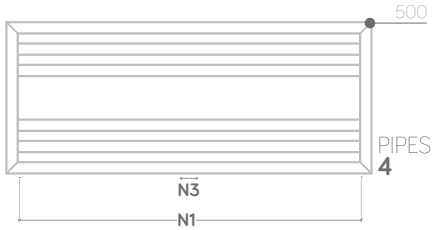
# Urbino

Technical sheet

ALSO 50 MM CENTRAL CONNECTIONS




| | |
|---|---|
| Material | Carbon steel |
| Pipes- mm | 40x20x1,5 |
| Collectors - mm | 40x20x1,5 |
| Connections | 5x1/2 (air bleeding valve connection, included) |
| Wall fixings | 4 |
| Max pressure | 6 bar |
| Max temperature | 90 °C |
| Paint | epoxypolyester powder |
| Packaging | box and protections in cardboard + polyethylene foam sheet |

**Standard equipment:** 1 kit wall fixing brackets - 1 air bleeding valve - 2 blind plugs - 3 chromed caps for blind plug and air bleeding valve

## White RAL 9016

| code | h (mm) | width (mm) | interaxis N1 (mm) | interaxis N3 (mm) | weight (kg) | water (lt) | ΔT50 °C watt | ΔT30 °C watt | ΔT42,5 °C watt | ΔT60 °C watt | Exponent n |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 383766 | 500 | 1200 | 1100 | 50 | 10,9 | 4,9 | 463 | 245 | 379 | 582 | 1,24615 |
| 383767 | 1200 | 500 | 400 | 50 | 11,1 | 5,1 | 492 | 260 | 402 | 618 | 1,24983 |
| 383768 | 1600 | 500 | 400 | 50 | 15,2 | 6,6 | 650 | 347 | 533 | 814 | 1,23105 |

## Anthracite VOV12

| code | h (mm) | width (mm) | interaxis N1 (mm) | interaxis N3 (mm) | weight (kg) | water (lt) | ΔT50 °C watt | ΔT30 °C watt | ΔT42,5 °C watt | ΔT60 °C watt | Exponent n |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 383769 | 500 | 1200 | 1100 | 50 | 10,9 | 4,9 | 463 | 245 | 379 | 582 | 1,24615 |
| 383770 | 1200 | 500 | 400 | 50 | 11,1 | 5,1 | 492 | 260 | 402 | 618 | 1,24983 |
| 383771 | 1600 | 500 | 400 | 50 | 15,2 | 6,6 | 650 | 347 | 533 | 814 | 1,23105 |

# Urbino

## Quartz VOV15

| code | h (mm) | width (mm) | interaxis N1 (mm) | interaxis N3 (mm) | weight (kg) | water (lt) | ΔT50 °C watt | ΔT30 °C watt | ΔT42,5 °C watt | ΔT60 °C watt | Exponent n |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 383772 | 500 | 1200 | 1100 | 50 | 10,9 | 4,9 | 463 | 245 | 379 | 582 | 1,24615 |
| 383773 | 1200 | 500 | 400 | 50 | 11,1 | 5,1 | 492 | 260 | 402 | 618 | 1,24983 |
| 383774 | 1600 | 500 | 400 | 50 | 15,2 | 6,6 | 650 | 347 | 533 | 814 | 1,23105 |

Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the ouput value by fixing the $\Delta T$ at 50 °C. $\Delta T$ is the difference between the average temperature of the water inside the radiator and the room temperature. The formula is: $(((T_1+T_2)/2)-T_3)$.

Ex.: ((75+65/2)-20)= 50 °C. For output values with a different $\Delta T$ use the following formula: $\phi_x = \phi_{\Delta T50} * (\Delta T_x/50)^n$.

See calculation example of the output at $\Delta T$ 60 °C of article 383766: $463*(60/50)^{1,24615}$= 582.

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.

$\phi_x$ = output to be calculated - $\phi_{\Delta T50}$ = output at $\Delta T$ 50 °C (table) - $\Delta T_x$ = $\Delta T$ value to be calculated - $^n$= exponent "n" (table).