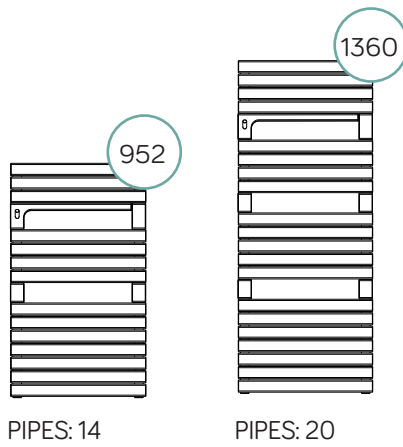


Torino

Technical sheet





Description	Straight
Material	Carbon steel
Pipes - mm	50x10x1,5
Collectors - Ø	35x1,5
Connections	4x1/2" (air bleeding valve connection, included)
Wall fixings	4
Max operating pressure	4 bar
Max operating temperature	90 °C
Paint	Epoxy polyester powder
Packaging	Carton box, carton and styrofoam protections, polyethylene foam sheet
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve - 1 blind plug

Connection

Min.	Max
53	58

Suitable for

- SINGLE PIPE VALVE
- K DUAL FUEL USE

Wall distance

Min.	Max
80	85

Mineral white VOV09 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT_{50} °C Watt	ΔT_{30} °C Watt	$\Delta T_{42,5}$ °C Watt	ΔT_{60} °C Watt	Heting el. watt	Exponent n
390360	952	550	495	13,2	3,8	510	274	419	637	500	1,21547
389280	1360	550	495	18,6	5,3	715	381	586	896	500	1,23285

Anthracite VOV12 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT_{50} °C Watt	ΔT_{30} °C Watt	$\Delta T_{42,5}$ °C Watt	ΔT_{60} °C Watt	Heting el. watt	Exponent n
390361	952	550	495	13,2	3,8	510	274	419	637	500	1,21547
389281	1360	550	495	18,6	5,3	715	381	586	896	500	1,23285

Quartz VOV15 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT_{50} °C Watt	ΔT_{30} °C Watt	$\Delta T_{42,5}$ °C Watt	ΔT_{60} °C Watt	Heting el. watt	Exponent n
380084	952	550	495	13,2	3,8	510	274	419	637	500	1,21547
380085	1360	550	495	18,6	5,3	715	381	586	896	500	1,23285

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

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

See calculation example of the output at ΔT 60 °C of article 390360: $510 * (60/50)^{1,21547} = 637$.

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 - $\Phi_{\Delta T50}$ = output at ΔT 50 °C (table) - ΔT_x = ΔT value to be calculated - "n" = exponent "n" (table).