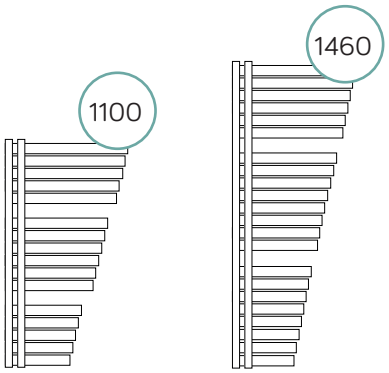
lazzarini

Randa

Technical sheet

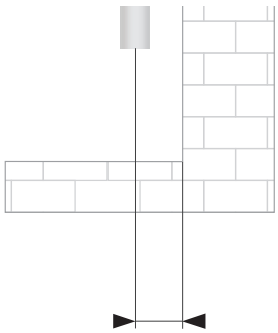
EN EURONORM 442 CE



PIPES: 16 PIPES: 22

Description	Straight
Material	Carbon steel
Pipes - mm	50x10x1,5
Collectors - mm	30x30x1,5
Connections	4x1/2' (air bleeding valve connection, included)
Wall fixings	3
Max operating pressure	4 bar
Max operating temperature	90 °C
Paint	Epoxypolyester powder
Packaging	Nylon bag, carton box, carton and styrofoam protections
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve - 1 blind plug

Connection



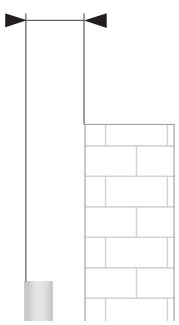
Min.	Max
60	70

REVERSIBLE

DUAL FUEL USE

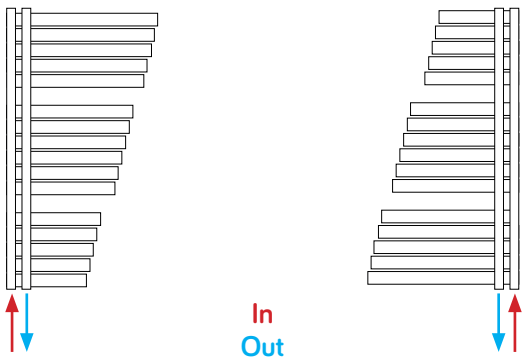
ONLY 50 MM CONNECTIONS

Wall distance



Min.	Max
75	85

Suggested installations



White RAL9016 - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n	Heating element Watt
387081	1100	590	50	12,3	3,9	428	220	346	544	1,31066	500
387082	1460	590	50	14,8	5,4	550	279	444	701	1,33007	500

Anthracite VOV12 - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n	Heating element Watt
388668	1100	590	50	12,3	3,9	428	220	346	544	1,31066	500

Chrome - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n	Heating element Watt
387084	1100	590	50	11,6	3,9	295	150	238	376	1,32476	300
387085	1460	590	50	14,8	5,4	340	177	260	460	1,65352	300

Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the ouput 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: $(((T_1+T_2)/2)-T_3)$.
Ex.: ((75+65/2)-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 387081: $428*(60/50)^{1,31066}= 544$.
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).

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