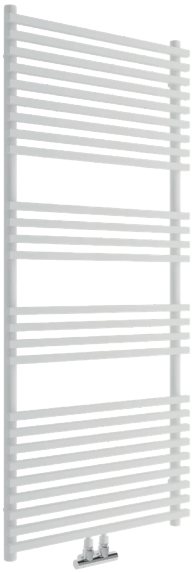
Trient

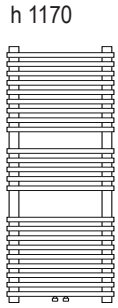
Technical sheet

SANOTECHNIK INTERNATIONAL

10 Years product warranty*

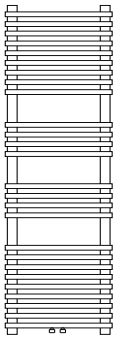


EN 442 EUROnorm CE



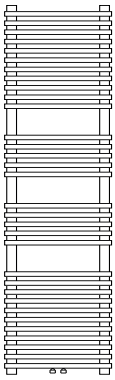
h 1170

PIPES: **23**



h 1400

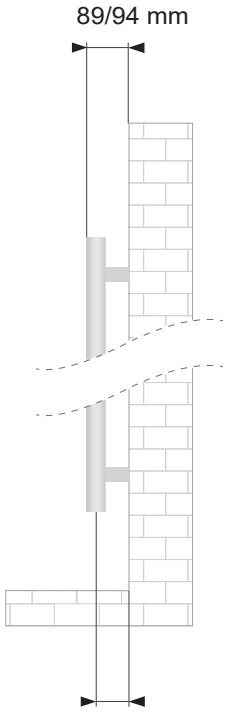
PIPES: **26**



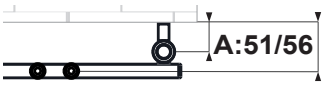
h 1640

PIPES: **32**

	straight
Material	carbon steel
Pipes - mm	20x20x1,2 thick
Collectors - Ø / mm	32x1,5 thick
Connections	3x1/2' (air bleeding valve connection, included)
Wall fixings	4
Max pressure	10 bar
Max temperature	90 °C
Paint	epoxypolyester powder
Packaging	Nylon bag, carton box and protections
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve



A-B



Mineral white SF09 - straight

code	h mm	width mm	interaxis mm	product net weight kg	shipping weight kg	water lt	ΔT50°C watt ϕ	ΔT30°C watt ϕ	ΔT42,5°C watt ϕ	ΔT 60°C Watt	ΔT 50° C exponent n	Heating element Watt
TR117	1170	600	50	12,8	15,0	5,6	652	355	538	811	1,19019	700
TR140	1400	600	50	14,9	17,5	6,4	788	426	649	981	1,20080	700
TR164	1640	600	50	18,2	21,1	7,8	943	503	773	1180	1,22906	1000

Matt black RAL9005 - straight

code	h mm	width mm	interaxis mm	product net weight kg	shipping weight kg	water lt	Δτ50°C watt ϕ	Δτ30°C watt ϕ	Δτ42,5°C watt ϕ	Δτ 60°C Watt	Δτ 50° C exponent n	Heating element Watt
TRS117	1170	600	50	12,8	15,0	5,6	652	355	538	811	1,19019	700
TRS140	1400	600	50	14,9	17,5	6,4	788	426	649	981	1,20080	700
TRS164	1640	600	50	18,2	21,1	7,8	943	503	773	1180	1,22906	1000

Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the ouput value by fixing the Δτ at 50° C. Δτ 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 Δτ use the following formula: $\phi_x = \phi_{\Delta\tau 50} *(\Delta\tau_x/50)^n$.
See calculation example of the output at Δτ 60° of article TR117: $652*(60/50)^{1,19019}= 811$.
Output values in kcal/h = watt x 0,85984.
Output values in btu = watt x 3,412.

LEGEND

T_1 = supply temperature - T_2= return temperature - T_3= room temperature.
ϕ_x = output to be calculated - $\phi_{\Delta\tau 50}$ = output at Δτ 50° C (table) - $\Delta\tau_x$ = Δτ value to be calculated - ^{n} = exponent "n" (table).

Rev. 1 - 04-05-2022