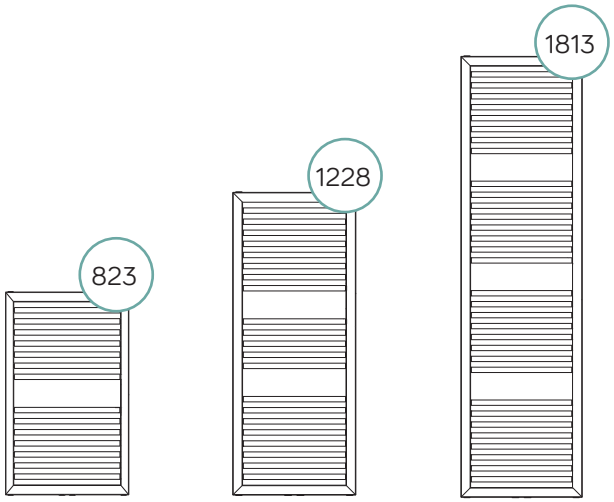
Astrid

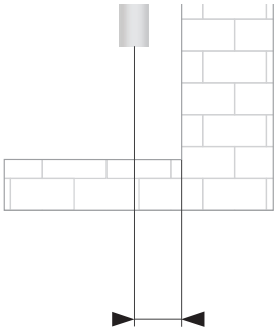
Technical sheet

EN EURONORM 442 CE



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	Epoxypolyester powder
Packaging	Nylon bag, carton box and protections
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve - 2 blind plugs

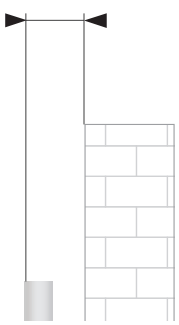
Connection



Min.	Max
60	70

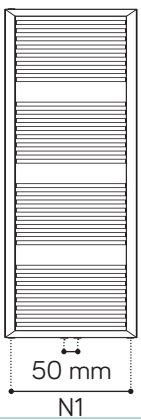
50 WITH BOTH LATERAL AND CENTRAL 50 MM CONNECTIONS

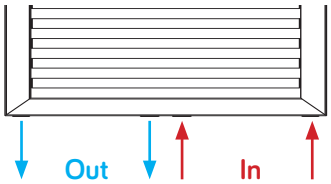
Wall distance



Min.	Max
75	85

Interaxis





White RAL9016 - straight

Code	Height mm	Width mm	Interaxis N1 mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n
ASS50	823	500	450	6,9	4,3	395	212	324	494	1,2233
ASS60	823	600	550	7,8	4,9	480	257	394	600	1,21884
ASM50	1228	500	450	9,5	5,9	586	310	479	736	1,24662
ASM60	1228	600	550	10,7	7	690	367	565	865	1,23404
ASX50	1813	500	450	13,5	8,6	861	460	706	1077	1,22679
ASX60	1813	600	550	15,3	9,9	1007	533	823	1265	1,24772

Anthracite VOV12 - straight

Code	Height mm	Width mm	Interaxis N1 mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n
ASS5A	823	500	450	6,9	4,3	395	212	324	494	1,2233
ASS6A	823	600	550	7,8	4,9	480	257	394	600	1,21884
ASM5A	1228	500	450	9,5	5,9	586	310	479	736	1,24662
ASM6A	1228	600	550	10,7	7	690	367	565	865	1,23404
ASX5A	1813	500	450	13,5	8,6	861	460	706	1077	1,22679
ASX6A	1813	600	550	15,3	9,9	1007	533	823	1265	1,24772

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 384837: $395*(60/50)^{1,2233}$= 494.
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).