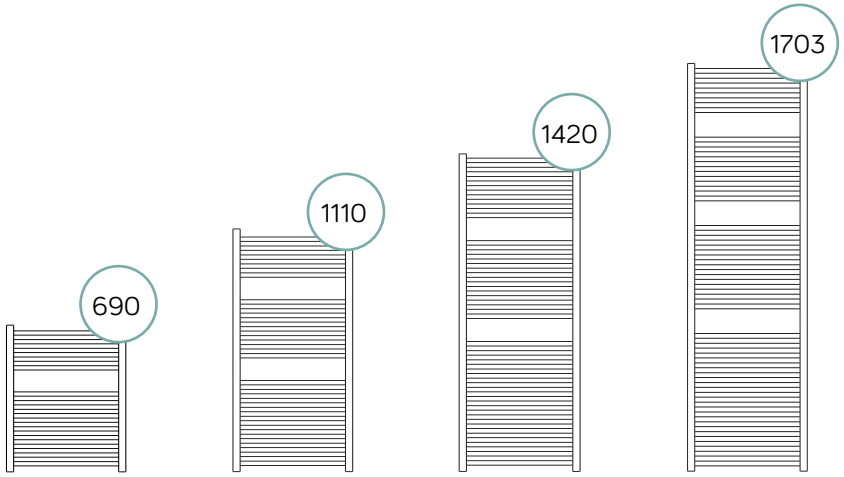
lazzarini

Todi

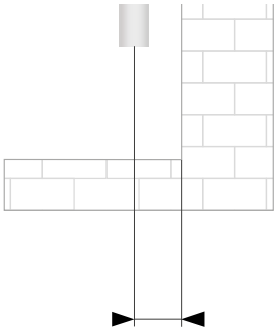
Technical sheet

EN EURONORM 442 CE



Description	Straight
Material	Carbon steel
Pipes - mm	20x20x1
Collectors - mm	30x30x1,5
Connections	4x1/2' (air bleeding valve connection, included)
Wall fixings	3
Max operating pressure	6 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 - 1 blind plug

Connection

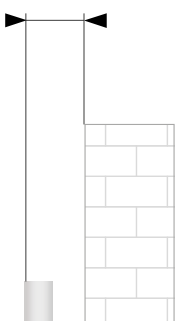


Min.	Max
75	90

SINGLE PIPE VALVE OPTION

K DUAL FUEL USE

Wall distance



Min.	Max
90	105

White RAL9016 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n	Heating el. Watt
386538	690	500	470	5,5	3,1	320	173	263	400	1,21196	300
386540	1110	500	470	8,7	4,8	506	268	414	636	1,24957	500
386541	1110	600	570	11	5,5	602	320	493	755	1,23968	700
386542	1420	500	470	11,1	6,4	672	354	548	846	1,25819	700
386543	1420	600	570	14,3	6,9	780	410	636	982	1,26097	700
386544	1703	500	470	14,2	7,5	797	421	651	1002	1,25180	700
386545	1703	600	570	17,4	8,5	937	494	765	1179	1,25564	1000

Anthracite VOV12 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n	Heating el. Watt
384876	690	500	470	5,5	3,1	320	173	263	400	1,21196	300
383411	1110	500	470	8,7	4,8	506	268	414	636	1,24957	500
384877	1420	500	470	11,1	6,4	672	354	548	846	1,25819	700

Chrome - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT30 °C Watt	ΔT42,5 °C Watt	ΔT60 °C Watt	Exponent n	Heating el. Watt
386546	690	500	470	5,5	3,1	224	117	182	283	1,27858	200
386548	1110	500	470	8,6	4,8	323	170	263	407	1,26703	300
386549	1110	600	570	11,2	5,5	394	205	320	498	1,28034	300
386550	1420	500	470	11,5	6,4	430	222	349	545	1,29691	500
386551	1420	600	570	14,3	6,9	517	269	420	654	1,28378	500
386552	1703	500	470	13,3	7,5	531	276	432	671	1,28229	500
386553	1703	600	570	17,4	8,5	637	331	518	806	1,28416	700

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: $\boldsymbol{\phi_x} = \phi_{\Delta T50} * (\Delta T_x/50)^n$.
See calculation example of the output at **ΔT** 60 °C of article 386538: $320*(60/50)^{1,21196}$= 400.
Output values in **kcal/h** = watt x 0,85984.
Output values in **btu** = watt x 3,412.

KEY
$\mathbf{T_1}$ = supply temperature - $\mathbf{T_2}$= return temperature - $\mathbf{T_3}$= room temperature.
$\boldsymbol{\phi_x}$ = output to be calculated - $\boldsymbol{\phi_{\Delta T50}}$ = output at **ΔT** 50 °C (table) - $\mathbf{\Delta T_x}$ = **ΔT** value to be calculated - ^{n}= exponent "n" (table).