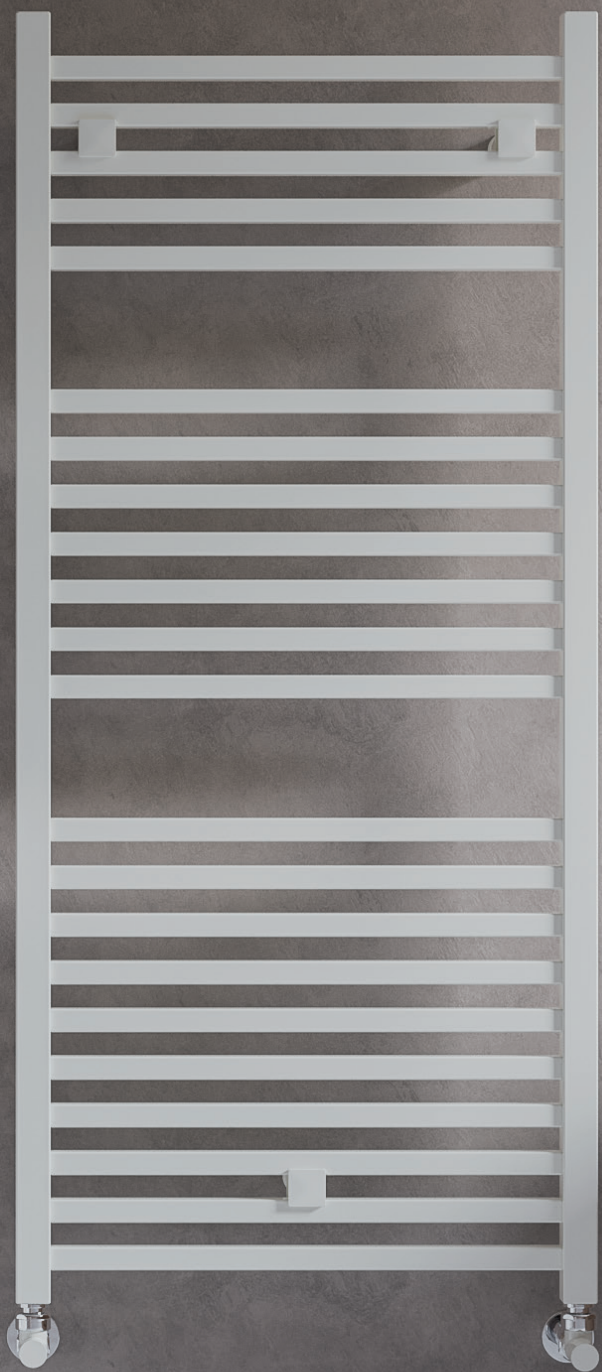
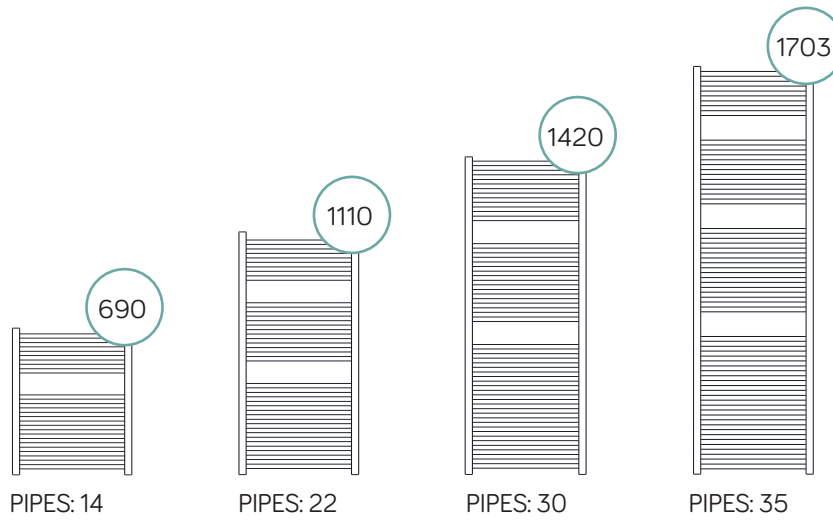


# Todi

Technical sheet





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	Epoxy polyester 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	Interaxis mm	Weight kg	Water lt	$\Delta T_{50}^{\circ C}$ Watt	$\Delta T_{30}^{\circ C}$ Watt	$\Delta T_{42,5}^{\circ C}$ Watt	$\Delta T_{60}^{\circ C}$ Watt	Exponent n	Heating element Watt
<b>386538</b>	690	500	470	5,5	3,1	320	173	263	400	1,21196	300
<b>386540</b>	1110	500	470	8,7	4,8	506	268	414	636	1,24957	500
<b>386541</b>	1110	600	570	11	5,5	602	320	493	755	1,23968	700
<b>386542</b>	1420	500	470	11,1	6,4	672	354	548	846	1,25819	700
<b>386543</b>	1420	600	570	14,3	6,9	780	410	636	982	1,26097	700
<b>386544</b>	1703	500	470	14,2	7,5	797	421	651	1002	1,25180	700
<b>386545</b>	1703	600	570	17,4	8,5	937	494	765	1179	1,25564	1000

## Anthracite VOV12 - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	$\Delta T_{50}^{\circ C}$ Watt	$\Delta T_{30}^{\circ C}$ Watt	$\Delta T_{42,5}^{\circ C}$ Watt	$\Delta T_{60}^{\circ C}$ Watt	Exponent n	Heating element Watt
<b>384876</b>	690	500	470	5,5	3,1	320	173	263	400	1,21196	300
<b>383411</b>	1110	500	470	8,7	4,8	506	268	414	636	1,24957	500
<b>384877</b>	1420	500	470	11,1	6,4	672	354	548	846	1,25819	700

## Chrome - straight

Code	Height mm	Width mm	Interaxis mm	Weight kg	Water lt	$\Delta T_{50}^{\circ C}$ Watt	$\Delta T_{30}^{\circ C}$ Watt	$\Delta T_{42,5}^{\circ C}$ Watt	$\Delta T_{60}^{\circ C}$ Watt	Exponent n	Heating element Watt
<b>386546</b>	690	500	470	5,5	3,1	224	117	182	283	1,27858	200
<b>386548</b>	1110	500	470	8,6	4,8	323	170	263	407	1,26703	300
<b>386549</b>	1110	600	570	11,2	5,5	394	205	320	498	1,28034	300
<b>386550</b>	1420	500	470	11,5	6,4	430	222	349	545	1,29691	500
<b>386551</b>	1420	600	570	14,3	6,9	517	269	420	654	1,28378	500
<b>386552</b>	1703	500	470	13,3	7,5	531	276	432	671	1,28229	500
<b>386553</b>	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 output value by fixing the  $\Delta T$  at 50 °C.  $\Delta T$  is the difference between the average temperature of the water inside the radiator and the room temperature. The formula is:  $\phi_x = \phi_{\Delta T_{50}} * (\Delta T_x / 50)^n$ .

Ex.:  $((75+65)/2)-20=50$  °C. For output values with a different  $\Delta T$  use the following formula:  $\phi_x = \phi_{\Delta T_{50}} * (\Delta T_x / 50)^n$ .

See calculation example of the output at  $\Delta T$  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

$T_1$  = supply temperature -  $T_2$  = return temperature -  $T_3$  = room temperature.

$\phi_x$  = output to be calculated -  $\phi_{\Delta T_{50}}$  = output at  $\Delta T$  50 °C (table) -  $\Delta T_x = \Delta T$  value to be calculated -  $n$  = exponent "n" (table).