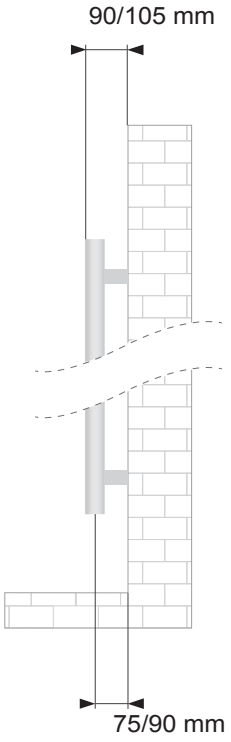
Todi

Technical sheet

EN 442 EURONORM CE

PIPES: **14** | PIPES: **22** | PIPES: **30** | PIPES: **35**

	straight
Material	carbon steel
Pipes - mm	20x20x1
Collectors - mm	30x30x1,5
Connections	4x1/2' *
Wall fixings	3
Max pressure	6 bar
Max temperature	90 °C
Paint	epoxypolyester powder
Packaging	P.P. corners + cardboard box and protections
* **air bleeding valve connection, included**	



Standard equipment: 1 kit wall fixing brackets - 1 air bleeding valve

The radiators can be supplied in RAL colours or special VOV Lazzarini colours.
Printed colours may differ from the original, so please see official RAL palette and Lazzarini colour chart.

VOV08 Tabac brown

VOV09 White sand

VOV10 Metallic silver

VOV11 Silver sand

VOV12 Anthracite

VOV13 Amethyst

VOV14 Emerald

VOV15 Quartz

VOV16 Azzurrite

White RAL 9016 - straight

code	h mm	width mm	interaxis mm	weight kg	water lt	ΔT50°C watt ϕ 75/65/20°	ΔT42,5°C watt ϕ 70/55/20°	ΔT30°C watt ϕ 55/45/20°	ΔT 50°C kcal/h	ΔT 60°C btu	heating element wattt	ΔT 50° C exponent n
386538	690	500	470	6,7	3	320	263	173	276	1365	300	1,21196
386539	690	600	570	7,7	3,4	405	333	218	349	1727	500	1,21512
386540	1110	500	470	10,5	4,7	506	414	268	436	2171	600	1,24957
386541	1110	600	570	12,1	5,5	602	493	320	518	2577	700	1,23968
386542	1420	500	470	14	6,3	672	548	354	578	2887	700	1,25819
386543	1420	600	570	16,3	7,3	780	636	410	671	3351	700	1,26097
386544	1703	500	470	16,5	7,5	797	651	421	686	3419	700	1,2518
386545	1703	600	570	19,1	8,6	937	765	494	806	4023	1000	1,25564

Chrome - straight

code	h mm	width mm	interaxis mm	weight kg	water lt	ΔT50°C watt ϕ 75/65/20°	ΔT42,5°C watt ϕ 70/55/20°	ΔT30°C watt ϕ 55/45/20°	ΔT 50°C kcal/h	ΔT 60°C btu	heating element wattt	ΔT 50° C exponent n
386546	690	500	470	6,7	3	224	182	117	193	966	200	1,27858
386547	690	600	570	7,7	3,4	279	229	148	240	1195	300	1,24196
386548	1110	500	470	10,5	4,7	323	263	170	278	1389	300	1,26703
386549	1110	600	570	12,1	5,5	394	320	205	339	1700	300	1,28034
386550	1420	500	470	14	6,3	430	349	222	370	1860	500	1,29691
386551	1420	600	570	16,3	7,3	517	420	269	445	2232	500	1,28378
386552	1703	500	470	16,5	7,5	531	432	276	457	2290	500	1,28229
386553	1703	600	570	19,1	8,6	637	518	331	548	2751	700	1,28416

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° of article 386546: $224*(60/50)^{1,27858}$= 283.
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 - $\phi_{\Delta T50}$ = output at ΔT 50° C (table) - ΔT_x = ΔT value to be calculated - ^{n} = exponent "n" (table).

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