



**DISCOVER PLANAR VENTO**

## General information

### PLANAR VENTO

The Planar VENTO ultra-low-temperature radiator is the decorative version in our VENTO range. The fully automatic radiator with integrated fans provides an enhanced convection. This makes the radiator extremely suitable for low and ultra-low supply temperatures, such as with heat pumps. In addition, the VENTO can provide non-condensing cooling in combination with a heat pump.

Product:	decorative ultra-low-temperature valve radiator with a flat front and integrated fans for a boosted convection
Finishing:	decorative flat front, upper grille and side panels
Pre-installed:	fully automatic fans, preset Heimeier 4368 or 4369 valve insert, air vent and blind plugs
Valve insert:	The integrated adjustable valve insert (without thermostatic head) is factory-fit on the right side of the radiator, CEN certified, tested in accordance with EN215 and compatible with thermostatic heads M30 x 1,5 mm. The thermostatic valve insert is factory-set in relation to the size of the radiator. This presetting ensures optimum throughput in the radiator. Factory setting for two-pipe systems, also suitable for one-pipe systems (as long as the valve insert is adjusted to position 8).
Also supplied:	AC/DC adapter 240V/12V with 1,5 m power cable, VDI brackets with anti-lift (type Monclac), screws, plugs and installation instructions
Control:	fully automatic, modulating control. When plugging in, the fans will briefly operate to check their proper functioning. During their normal operation the fans will start when the bottom side remains warm during a certain amount of time. This may take 10 – 30 minutes.
Cooling:	in combination with a heat pump. The inlet temperature must remain above the dew point. For optimal cooling, the direction of the water through the radiator must be reversed, and the thermostatic head fully open. If the room temperature is higher than the maximum temperature setting of the radiator thermostat, the thermostatic head must be temporarily removed.
Sound pressure:	max. 32 dB(A) at a distance of 1 meter; for a radiator with a length of 1.000 mm and a height of 600 mm
Connections:	6 x ½" female connection (2 x ½" lateral bottom connection included).
Lugs:	2 pairs of mounting lugs up to 1.600 mm and 3 pairs from 1.800 mm
Packaging:	Every radiator is sturdily packaged in high-quality cardboard and wrapped in plastic. The radiator's characteristics are shown on the label: type – height – length.
Warranty:	10 years for the radiator and 2 years for the electrical components, as long as the installation instructions have been followed and Stelrad's warranty conditions have been met.
Paint process:	All radiators are degreased, phosphated, cathodically primed and powder-coated in Stelrad white 9016 as standard.
Colours:	Stelrad white 9016 + 35 different Stelrad colours and about 200 RAL-colours are possible
Max. operating pressure:	10 bar (tested to 13 bar)
Min./max. operating temp.:	35 – 60 °C
Conformity:	in accordance with EN16430
Max. electrical power:	1,2 – 7 W
Number of fans:	4 – 21
Type:	22
Heights:	400   600   900 mm
Lengths:	500 – 2.000 mm
Depth:	102 mm

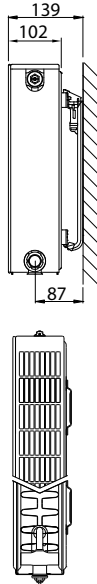


## Type overview and Heat outputs in Watt according to EN16430

Calculation factor  
per meter  
at 75/65/20°C  
according to  
EN16430

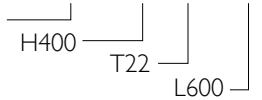
Characteristic  
equation:

$$\Phi = K_M \times \Delta T^n$$



On the label:  
VENTO PLAN T22: 0240

Art. 0240 04 22 06



$\Delta T$ 12,5°C	EN16430	35/30/20°C
$\Delta T$ 20°C	EN16430	45/35/20°C

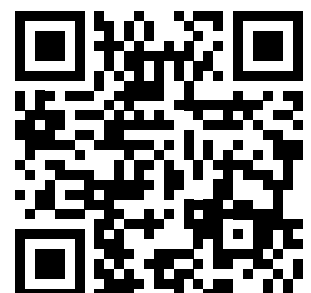
Type	22			Type
Height	400	600	900	Height
<b>500</b>	145 254	185 327	225 406	<b>500</b>
	0240042205	0240062205	0240092205	
<b>600</b>	173 305	222 392	270 487	<b>600</b>
	0240042206	0240062206	0240092206	
<b>700</b>	202 355	259 458	315 568	<b>700</b>
	0240042207	0240062207	0240092207	
<b>800</b>	231 406	296 523	360 650	<b>800</b>
	0240042208	0240062208	0240092208	
<b>900</b>	260 457	333 588	405 731	<b>900</b>
	0240042209	0240062209	0240092209	
<b>1000</b>	289 508	370 654	450 812	<b>1000</b>
	0240042210	0240062210	0240092210	
<b>1100</b>	318 558	407 719	495 893	<b>1100</b>
	0240042211	0240062211	0240092211	
<b>1200</b>	347 609	444 784	540 974	<b>1200</b>
	0240042212	0240062212	0240092212	
<b>1400</b>	405 711	518 915	630 1137	<b>1400</b>
	0240042214	0240062214	0240092214	
<b>1600</b>	462 812	592 1046	721 1299	<b>1600</b>
	0240042216	0240062216	0240092216	
<b>1800</b>	520 914	666 1177		<b>1800</b>
	0240042218	0240062218		
<b>2000</b>	578 1015	740 1307		<b>2000</b>
	0240042220	0240062220		

Height		Type 22	Centre distance
400	W	1.522	350
	kg	24,67	
	l	4,60	
	m <sup>2</sup>	4,92	
	n	1,20	
600	W	1.983	550
	kg	35,70	
	l	6,60	
	m <sup>2</sup>	7,74	
	n	1,21	
900	W	2.562	850
	kg	53,55	
	l	9,65	
	m <sup>2</sup>	12,68	
	n	1,25	

W=heat output per meter / kg=weight per meter  
l=content per meter / m<sup>2</sup>=surface per meter / n=exponent

The manufacturer reserves the right to alter any of the specifications  
shown in this document without prior notice.

The assembly instructions are available on our website,  
technical data of Planar Vento or via the QR-code:



# SOUND PRESSURE

The modulation system ensures you achieve your optimal temperature without needing a lot of technical knowledge. And you won't be disturbed by the ventilators that generate additional convection heat. While other classic systems usually have three settings, the VENTO convection technology has a modulating thermostat to ensure it reaches your desired temperature quickly and noiselessly.

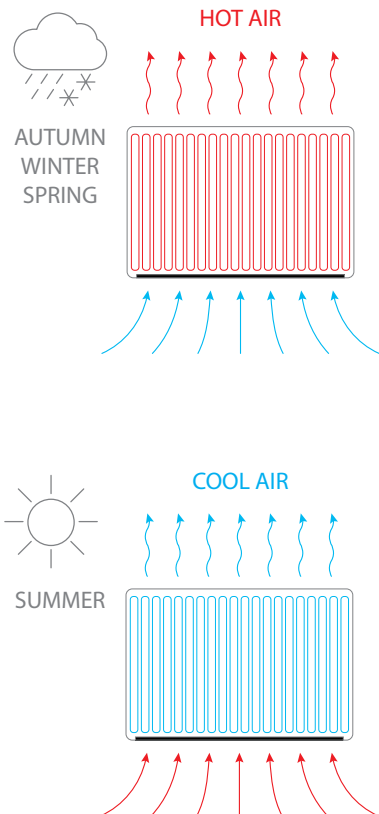
The VENTO only works at full tilt when the temperature in your home has fallen to a low level. In that case the sound pressure at 1 meter of a model measuring 600 mm by 1.000 mm is just 32 dB(A), the level of a whisper.

## HOW LOUD IS A GIVEN DECIBEL LEVEL?

dB(A)	Perception	Examples
10	Virtually inaudible	Breathing, falling leaf
20	Just audible	Radio studio, rustling leaves
30	Very quiet	Library (30-40), whispers
40	Quiet	Living room, quiet classroom, gentle hubbub, fridge
50	Moderate	Airconditioning, normal conversation, dishwasher

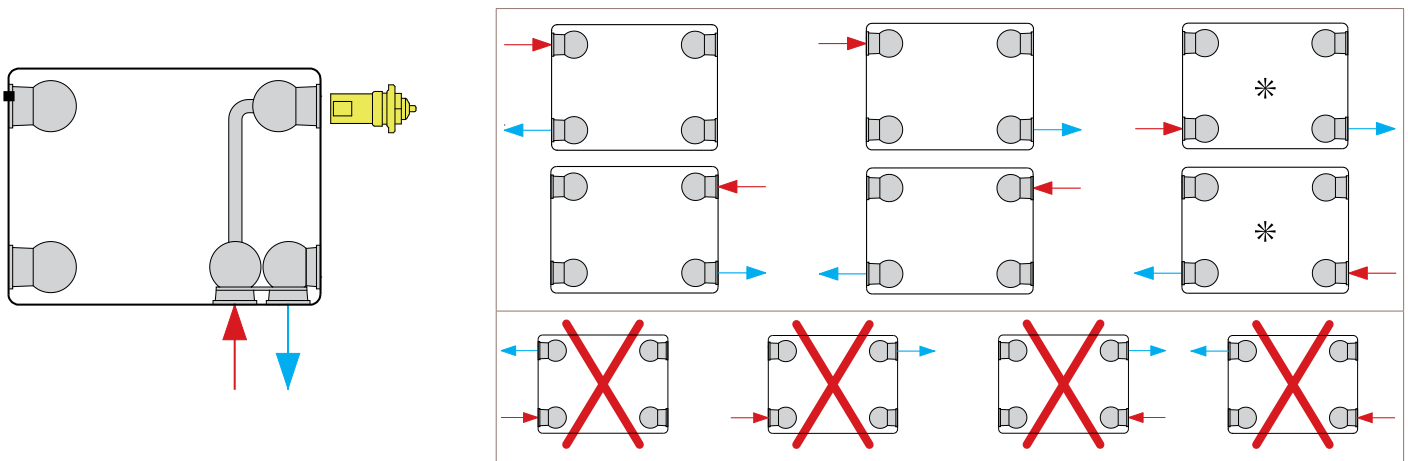
# COOLING

But that's not all, because when you use it with a heat pump set at no lower than 17°C you can also use a VENTO radiator to cool down your home. Homes are increasingly being well insulated, which increases the risk of overheating in the summer. The cooling kicks in automatically, generating a pleasant breeze.



(Watt)		H 400		H 600		H 900	
Ventilator speed		Stand-by	Dyn. max.	Stand-by	Dyn. max.	Stand-by	Dyn. max.
n exponent		1,2917	0,9211	1,3066	0,9528	1,3202	0,8715
L 500	17 / 19 / 28°C	57	95	79	113	107	122
L 600	17 / 19 / 28°C	68	113	94	135	128	146
L 700	17 / 19 / 28°C	80	132	110	158	149	170
L 800	17 / 19 / 28°C	91	151	126	180	170	194
L 900	17 / 19 / 28°C	103	170	141	203	192	219
L 1000	17 / 19 / 28°C	114	189	157	225	213	243
L 1100	17 / 19 / 28°C	125	208	173	248	234	267
L 1200	17 / 19 / 28°C	137	227	188	270	256	292
L 1400	17 / 19 / 28°C	160	265	220	315	298	340
L 1600	17 / 19 / 28°C	182	302	251	360	341	389
L 1800	17 / 19 / 28°C	205	340	283	405	-	-
L 2000	17 / 19 / 28°C	228	378	314	450	-	-

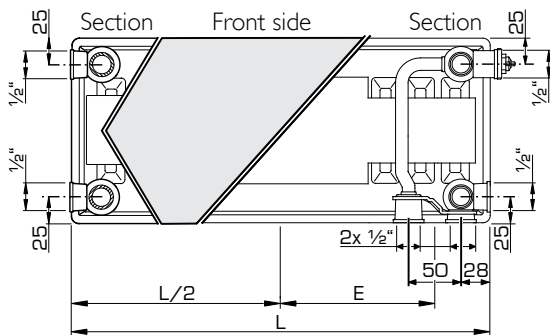
# CONNECTION POSSIBILITIES



When connecting as a compact radiator, the valve insert has to be removed and plastic plugs have to be replaced with brass plugs.

\* = a reduction in heatoutput will occur when combining low temperature heating with a high temperature difference between inlet and outlet. Not suitable for cooling.

## MOUNTING DIMENSIONS



L (mm)	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
E (mm)	197	247	297	347	397	447	497	547	647	747	847	947

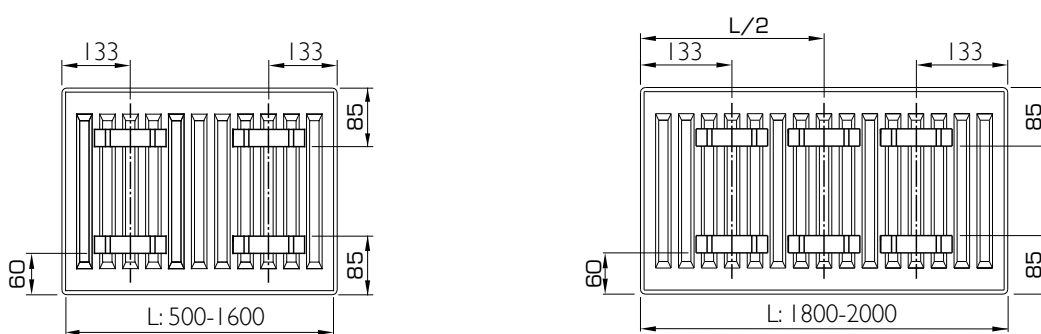
L: Length ; F: Centre distance = Height - 50 mm  
Minimum distance radiator bottom to floor: 150 mm.

## J-BRACKETS (TYPE MONCLAC, VDI 6036, CLASS 3)

x	y	Art. N°.		Height mm
		(2 pc.)	(3 pc.)	
103	240	R509204	R509304	400
103	440	R509206	R509306	600
103	740	R509209	R509309	900

For lengths above 1.600 mm: 3 brackets needed.

## LUG POSITIONS





*Seasons*

*change,*

*and so*

*do we !*

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Luxemburg • Norway • Poland • Portugal • Slovenia • Spain • Sweden • The Netherlands • Tunisia • Ukraine • United Kingdom

**THE NETHERLANDS**

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