

HENRAD

DISCOVER COMPACT VENTO



GENERAL INFORMATION

COMPACT VENTO

The Compact VENTO is the ultra-low-temperature radiator that, thanks to its modulating control and integrated fans, provides you with pleasant heating comfort even at low temperatures. The big advantage of this model is that the fans are controlled fully automatically. This radiator has also been specifically developed for use in combination with renewable energy sources such as a heat pump. In addition, the VENTO can provide non-condensing cooling in combination with a heat pump.

Product:	ultra-low-temperature radiator with integrated fans for a boosted convection
Finishing:	upper grille and side panels
Pre-installed:	fully automatic fans
Also supplied:	AC/DC adapter 240V/12V with 1,5 m power cable, VDI brackets with anti-lift (type Monclac), screws, plugs, air vent, blind plug 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:	4 x ½" female connection
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 Henrad's warranty conditions have been met.
Paint process:	All radiators are degreased, phosphated, cataphoretically primed and powder-coated in Henrad white 9016 as standard.
Colours:	Henrad white 9016 + 35 different Henrad 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:	100 mm



TYPE OVERVIEW AND HEAT OUTPUTS IN WATT ACCORDING TO EN16430

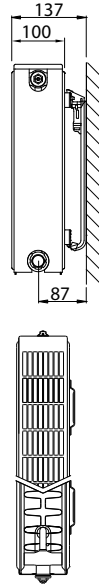
On the label: Art. 0110 04 22 06
COMPACT VENTO T22: 0110 H400 T22 L600



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

Characteristic equation:

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



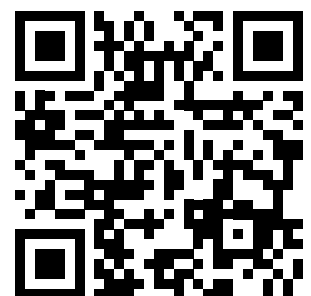
Height		T22	Centre distance
400	W	1.541	350
	kg	22,10	
	l	4,60	
	m ²	4,92	
	n	1,20	
600	W	1.992	550
	kg	30,00	
	l	6,60	
	m ²	7,74	
	n	1,24	
900	W	2.666	850
	kg	46,80	
	l	9,65	
	m ²	12,68	
	n	1,27	

W=heat output per meter / kg=weight per meter
l=content per meter / m²=surface per meter / n=exponent

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

ΔT	12,5°C	EN16430	35/30/20°C
ΔT	20°C	EN16430	45/35/20°C

Type	22			Type
Height	400	600	900	Height
500	145	180	229	500
	256	321	416	
	0110042205	0110062205	0110092205	
600	174	215	275	600
	307	385	499	
	0110042206	0110062206	0110092206	
700	203	251	321	700
	358	449	583	
	0110042207	0110062207	0110092207	
800	232	287	366	800
	409	514	666	
	0110042208	0110062208	0110092208	
900	261	323	412	900
	460	578	749	
	0110042209	0110062209	0110092209	
1000	290	359	458	1000
	511	642	832	
	0110042210	0110062210	0110092210	
1100	319	395	504	1100
	562	706	916	
	0110042211	0110062211	0110092211	
1200	348	431	550	1200
	613	770	999	
	0110042212	0110062212	0110092212	
1400	406	503	641	1400
	715	899	1165	
	0110042214	0110062214	0110092214	
1600	464	575	733	1600
	818	1027	1332	
	0110042216	0110062216	0110092216	
1800	522	646		1800
	920	1155		
	0110042218	0110062218		
2000	580	718		2000
	1022	1284		
	0110042220	0110062220		



The assembly instructions are available on our website, technical data of Compact 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.

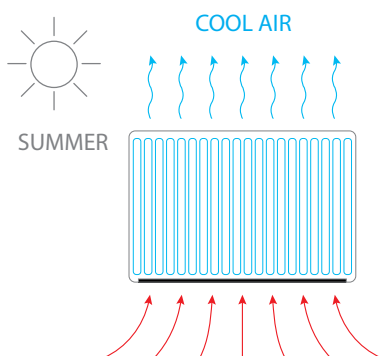
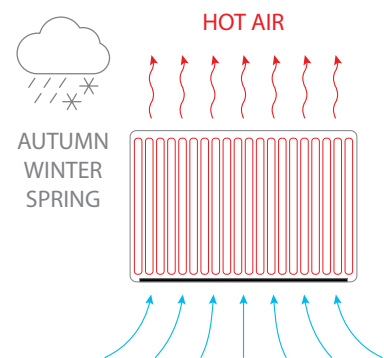
The VENTO only works at full tilt when the temperature in your home has fallen to a low level. In that case the sound pressure at 1 meter of a model measuring 600 mm by 1.000 mm is just 32 dB(A), the level of a whisper.

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

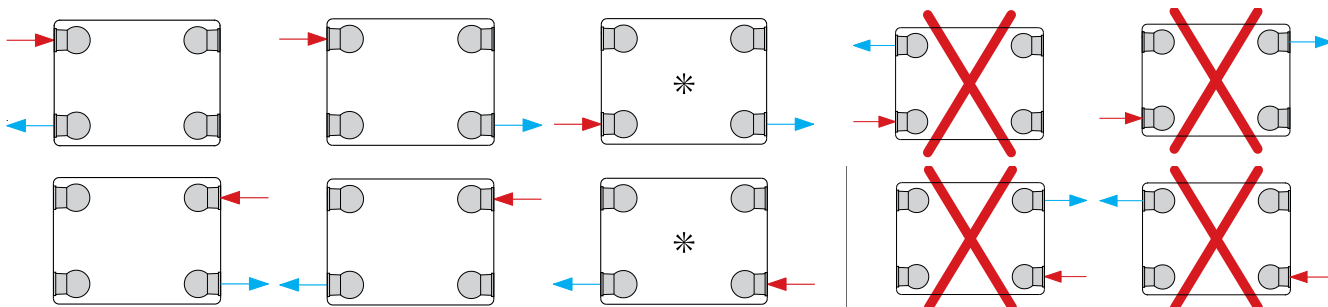
COOLING

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.



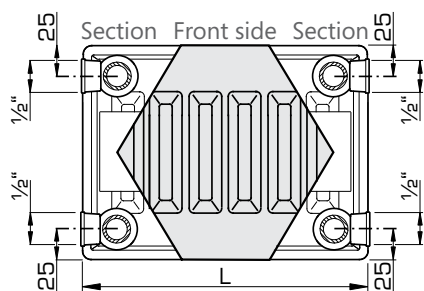
(Watt)		H 400		H 600		H 900	
Ventilator speed		Stand-by	Dyn. max.	Stand-by	Dyn. max.	Stand-by	Dyn. max.
n exponent		1,305	0,8937	1,3055	0,9204	1,2942	0,82
L 500	17 / 19 / 28°C	59	92	81	109	113	128
L 600	17 / 19 / 28°C	70	110	97	130	136	153
L 700	17 / 19 / 28°C	82	129	113	152	158	179
L 800	17 / 19 / 28°C	94	147	130	174	181	204
L 900	17 / 19 / 28°C	105	166	146	195	203	230
L 1000	17 / 19 / 28°C	117	184	162	217	226	255
L 1100	17 / 19 / 28°C	129	202	178	239	249	281
L 1200	17 / 19 / 28°C	140	221	194	260	271	306
L 1400	17 / 19 / 28°C	164	258	227	304	316	357
L 1600	17 / 19 / 28°C	187	294	259	347	362	408
L 1800	17 / 19 / 28°C	211	331	292	391	-	-
L 2000	17 / 19 / 28°C	234	368	324	434	-	-

CONNECTION POSSIBILITIES



* = 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

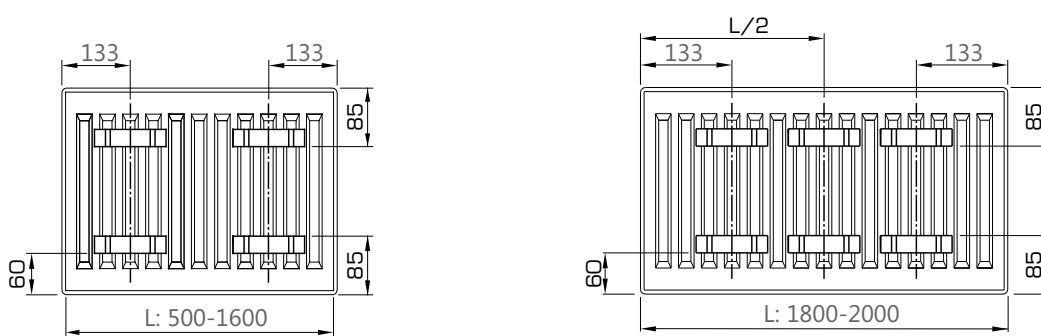


J-BRACKETS (TYPE MONCLAC, VDI 6036, CLASS 3)

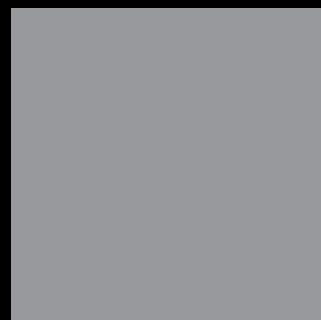
		Art. N°		Height mm		
		x	y		2 pc.	3 pc.
		103	240		R509204	R509304
		103	440		R509206	R509306
		103	740	R509209	R509309	900

For lengths above 1.600 mm: 3 brackets needed.

LUG POSITIONS



Australia • Belgium • Cyprus • Czechia • France • Germany • Greece • Iceland • Lithuania
Luxembourg • Norway • Poland • Slovenia • Sweden • The Netherlands • Tunisia • Ukraine



HENRAD

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