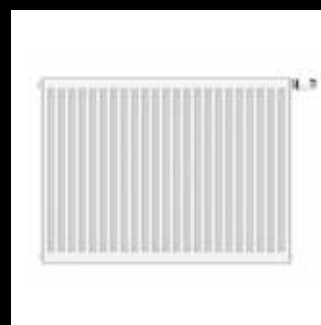




**HENRAD**

# DISCOVER PREMIUM ALL IN



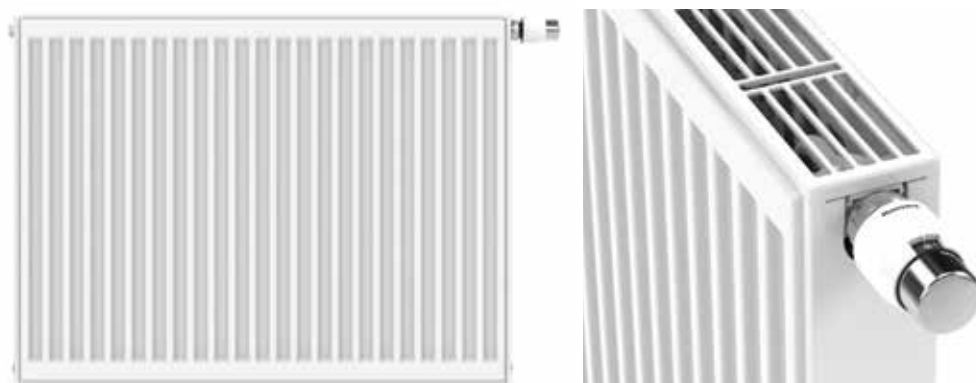
# STANDARD RANGE

## GENERAL INFORMATION

### PREMIUM ALL IN

The Premium All In radiator is a fully encased radiator equipped with an integrated adjustable valve insert. Moreover this radiator can be connected either as a valve or as a compact radiator. This radiator comes with all parts required to mount the radiator.

Product:	the fully encased valve radiator
Finishing:	upper grille and side panels
Pre-installed:	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:	Monclac brackets with anti-lift (VDI compliant when used in combination with included anti-slide clips), screws and installation instructions
Connections:	6 x ½" female connection (2 x ½" lateral bottom connection included). Left handed version: type 21, 22 and 33 are reversible, type 11 is available on request.
Lugs:	Type 11 is equipped with 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, 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
Heat cost allocator:	Suitable for heat cost allocators, both electronic and according to the evaporation principle (covered by the norm of EN834 & EN835).
Max. operating pressure:	10 bar (tested to 13 bar)
Max. operating temperature:	110 °C
Conformity:	in accordance with EN442
Quality assurance:	NF
Types:	11   21   22   33
Heights:	300   400   500   600   700   900 mm
Lengths:	400 – 3.000 mm
Depths:	61   77   100   158 mm



2005

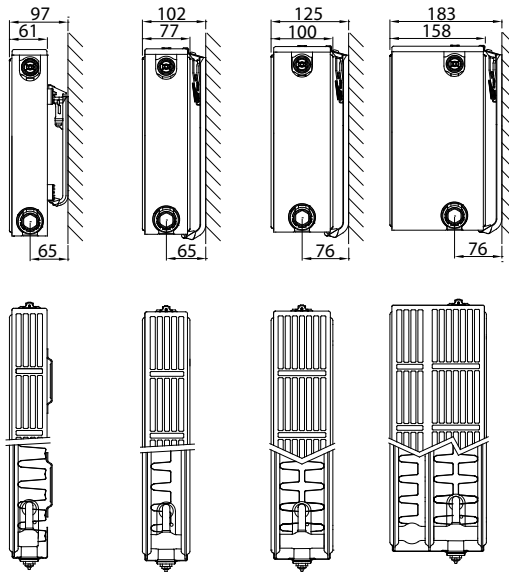
# STANDARD RANGE

## TYPE OVERVIEW

Calculation factor  
per meter  
at 75/65/20°C  
according to EN442

Characteristic equation:

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



Height		Type 11	Type 21	Type 22	Type 33	Centre distance
<b>300</b>	W			982	1.349	<b>250</b>
	kg			16,80	25,20	
	l			3,70	5,40	
	m <sup>2</sup>			3,51	5,26	
	n			1,33	1,31	
<b>400</b>	W			1.245	1.711	<b>350</b>
	kg			22,87	34,30	
	l			4,67	6,87	
	m <sup>2</sup>			4,92	7,38	
	n			1,33	1,32	
<b>500</b>	W	833	1.153	1.494	2.056	<b>450</b>
	kg	16,24	24,63	28,93	43,40	
	l	2,80	5,63	5,63	8,33	
	m <sup>2</sup>	3,80	4,31	6,33	9,49	
	n	1,30	1,34	1,33	1,32	
<b>600</b>	W	980	1.345	1.732	2.389	<b>550</b>
	kg	19,70	29,80	35,00	52,50	
	l	3,25	6,60	6,60	9,80	
	m <sup>2</sup>	4,66	5,24	7,74	11,61	
	n	1,29	1,34	1,33	1,32	
<b>700</b>	W		1.530	1.961	2.712	<b>650</b>
	kg		34,50	40,53	60,77	
	l		7,63	7,63	11,37	
	m <sup>2</sup>		6,18	9,15	13,72	
	n		1,34	1,34	1,34	
<b>900</b>	W	1.360	1.883	2.395	3.334	<b>850</b>
	kg	29,30	43,90	51,60	77,30	
	l	4,80	9,70	9,70	14,50	
	m <sup>2</sup>	7,22	8,05	11,97	17,96	
	n	1,29	1,34	1,35	1,37	

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.

# STANDARD RANGE

## PREMIUM ALL IN

HEAT OUTPUTS ACCORDING TO EN442



EN442 (W) 70/50/20°C

EN442 (W) 55/45/20°C

HENRAD NV/PL24/0005/ED22

Height	300	
Type	22	33
W/m 75/65/20°C	982	1.349
<b>400</b>	292 200 0221032204	
<b>500</b>	365 249 0221032205	
<b>600</b>	438 299 0221032206	
<b>700</b>	511 349 0221032207	
<b>800</b>	585 399 0221032208	805 552 0221033308
<b>900</b>	658 449 0221032209	906 621 0221033309
<b>1000</b>	730 499 0221032210	1.006 690 0221033310
<b>1100</b>	803 548 0221032211	1.107 759 0221033311
<b>1200</b>	876 598 0221032212	1.208 828 0221033312
<b>1400</b>	1.023 698 0221032214	1.409 966 0221033314
<b>1600</b>	1.169 798 0221032216	1.610 1.103 0221033316
<b>1800</b>	1.315 898 0221032218	1.811 1.241 0221033318
<b>2000</b>	1.461 997 0221032220	2.012 1.379 0221033320
<b>2200</b>	1.607 1.097 0221032222	2.214 1.517 0221033322
<b>2400</b>	1.753 1.197 0221032224	2.415 1.655 0221033324
<b>2600</b>	1.899 1.297 0221032226	
<b>2800</b>	2.045 1.397 0221032228	
<b>3000</b>	2.191 1.496 0221032230	

400		
Type	22	33
W/m	1.245	1.711
	370 253 0221042204	
	462 315 0221042205	
	555 379 0221042206	
	648 442 0221042207	
	740 505 0221042208	1.020 699 0221043308
	833 568 0221042209	1.148 786 0221043309
	925 631 0221042210	1.275 873 0221043310
	1.018 695 0221042211	1.403 960 0221043311
	1.111 758 0221042212	1.530 1.048 0221043312
	1.296 884 0221042214	1.785 1.222 0221043314
	1.481 1.010 0221042216	2.041 1.397 0221043316
	1.666 1.137 0221042218	2.296 1.572 0221043318
	1.851 1.263 0221042220	2.551 1.746 0221043320
	2.036 1.389 0221042222	2.806 1.921 0221043322
	2.221 1.515 0221042224	3.061 2.095 0221043324
	2.406 1.642 0221042226	
	2.591 1.768 0221042228	
	2.776 1.894 0221042230	

500				
Type	11	21	22	33
W/m	833	1.153	1.494	2.056
	249 171 0223051104	342 233 0221052104	444 303 0221052204	612 419 0221053304
	311 214 0223051105	428 291 0221052105	555 378 0221052205	766 524 0221053305
	374 257 0223051106	514 350 0221052106	666 454 0221052206	919 629 0221053306
	436 300 0223051107	599 408 0221052107	777 530 0221052207	1.072 733 0221053307
	498 343 0223051108	684 466 0221052108	888 605 0221052208	1.225 838 0221053308
	561 386 0223051109	771 525 0221052109	999 681 0221052209	1.378 943 0221053309
	623 428 0223051110	856 583 0221052110	1.110 757 0221052210	1.531 1.047 0221053310
	685 471 0223051111	941 641 0221052111	1.221 832 0221052211	1.685 1.152 0221053311
	748 514 0223051112	1.027 700 0221052112	1.332 908 0221052212	1.838 1.257 0221053312
	812 600 0223051114	1.198 816 0221052114	1.554 1.059 0221052214	2.144 1.466 0221053314
	997 686 0223051116	1.370 933 0221052116	1.776 1.210 0221052216	2.451 1.676 0221053316
	1.121 771 0223051118	1.540 1.049 0221052118	1.998 1.362 0221052218	2.757 1.886 0221053318
	1.246 857 0223051120	1.712 1.166 0221052120	2.220 1.513 0221052220	3.063 2.095 0221053320
			2.442 1.665 0221052222	3.369 2.304 0221053322
			2.664 1.816 0221052224	3.675 2.514 0221053324
			2.885 1.967 0221052226	
			3.108 2.118 0221052228	
			3.330 2.270 0221052230	

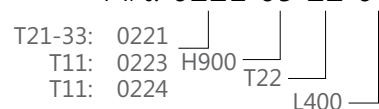
Core assortment (Henrad white 9016) available ex factory within 10 days.  
 Core assortment is subject to change, please refer to [www.henrad.eu](http://www.henrad.eu) for the latest information.  
 Delivery time depends on the model, please refer to your distributor.

## PREMIUM ALL IN

On the label:  
6-CONNECTIONS

6-CONNECTIONS L (Left)

Art. 0221 09 22 04



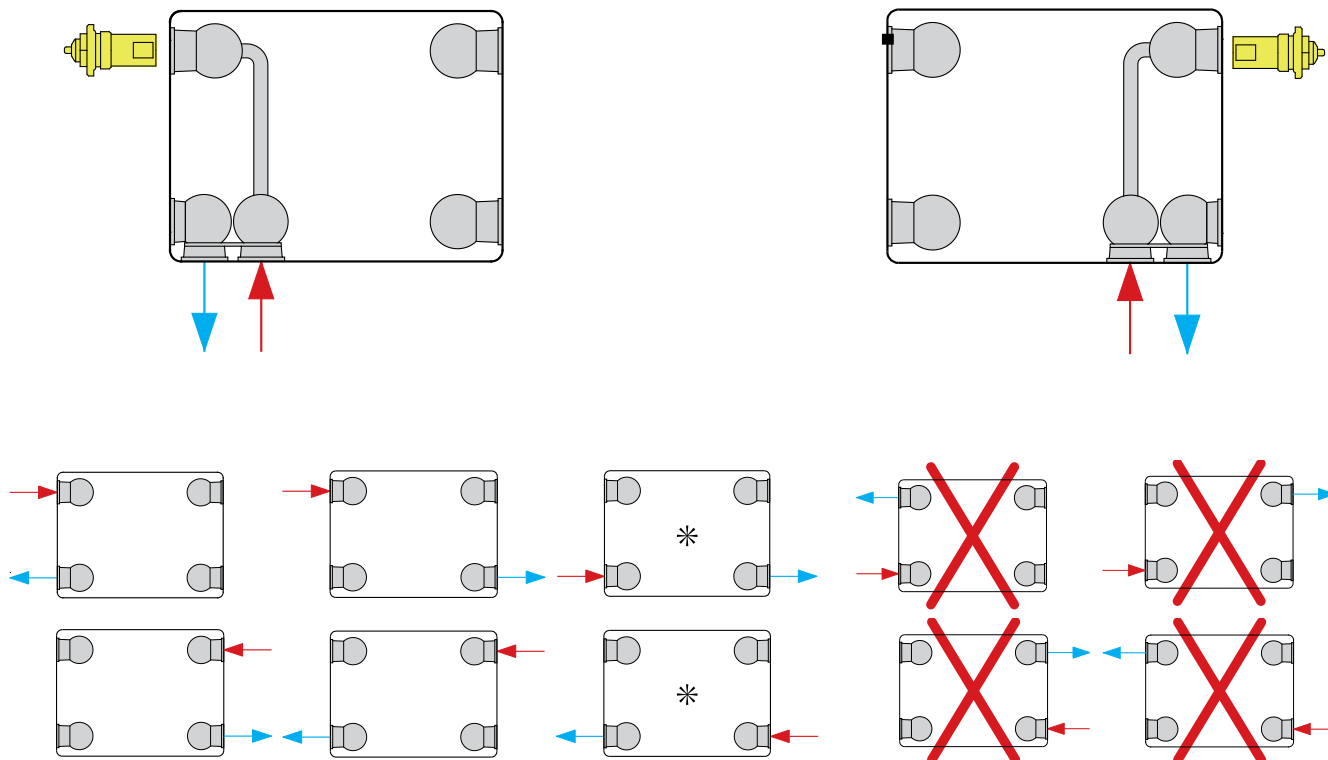
HENRAD NV/PL24/0005/ED22

Height	600			
Type	11	21	22	33
W/m 75/65/20°C	980	1.345	1.732	2.389
<b>400</b>	294 203 0223061104	399 272 0221062104	515 350 0221062204	712 486 0221063304
<b>500</b>	367 253 0223061105	499 339 0221062105	643 438 0221062205	889 607 0221063305
<b>600</b>	441 304 0223061106	599 407 0221062106	771 525 0221062206	1.067 729 0221063306
<b>700</b>	514 355 0223061107	699 476 0221062107	900 613 0221062207	1.244 850 0221063307
<b>800</b>	588 405 0223061108	798 543 0221062108	1.029 701 0221062208	1.422 972 0221063308
<b>900</b>	661 456 0223061109	898 611 0221062109	1.157 788 0221062209	1.600 1.094 0221063309
<b>1000</b>	735 507 0223061110	998 679 0221062110	1.286 876 0221062210	1.778 1.215 0221063310
<b>1100</b>	808 557 0223061111	1.098 747 0221062111	1.414 963 0221062211	1.956 1.337 0221063311
<b>1200</b>	881 608 0223061112	1.197 815 0221062112	1.543 1.051 0221062212	2.134 1.458 0221063312
<b>1400</b>	1.028 709 0223061114	1.397 951 0221062114	1.800 1.226 0221062214	2.490 1.701 0221063314
<b>1600</b>	1.175 810 0223061116	1.596 1.086 0221062116	2.057 1.401 0221062216	2.845 1.944 0221063316
<b>1800</b>	1.322 912 0223061118	1.796 1.222 0221062118	2.315 1.577 0221062218	3.200 2.187 0221063318
<b>2000</b>	1.469 1.013 0223061120	1.996 1.358 0221062120	2.572 1.752 0221062220	3.556 2.430 0221063320
<b>2200</b>			2.829 1.927 0221062222	3.912 2.673 0221063322
<b>2400</b>			3.086 2.102 0221062224	
<b>2600</b>			3.343 2.277 0221062226	
<b>2800</b>			3.601 2.453 0221062228	
<b>3000</b>			3.858 2.628 0221062230	

700		
21	22	33
1.530	1.961	2.712
454 309 0221072104	582 396 0221072204	805 547 0221073304
568 386 0221072105	727 495 0221072205	1.006 684 0221073305
681 463 0221072106	873 594 0221072206	1.207 821 0221073306
795 541 0221072107	1.018 693 0221072207	1.408 958 0221073307
908 618 0221072108	1.164 792 0221072208	1.609 1.095 0221073308
1.022 695 0221072109	1.309 891 0221072209	1.810 1.232 0221073309
1.135 772 0221072110	1.455 990 0221072210	2.011 1.368 0221073310
	1.600 1.089 0221072211	2.212 1.505 0221073311
	1.745 1.188 0221072212	2.413 1.642 0221073312
	2.036 1.385 0221072214	2.816 1.916 0221073314
	2.328 1.584 0221072216	3.218 2.189 0221073316
	2.619 1.782 0221072218	3.621 2.463 0221073318

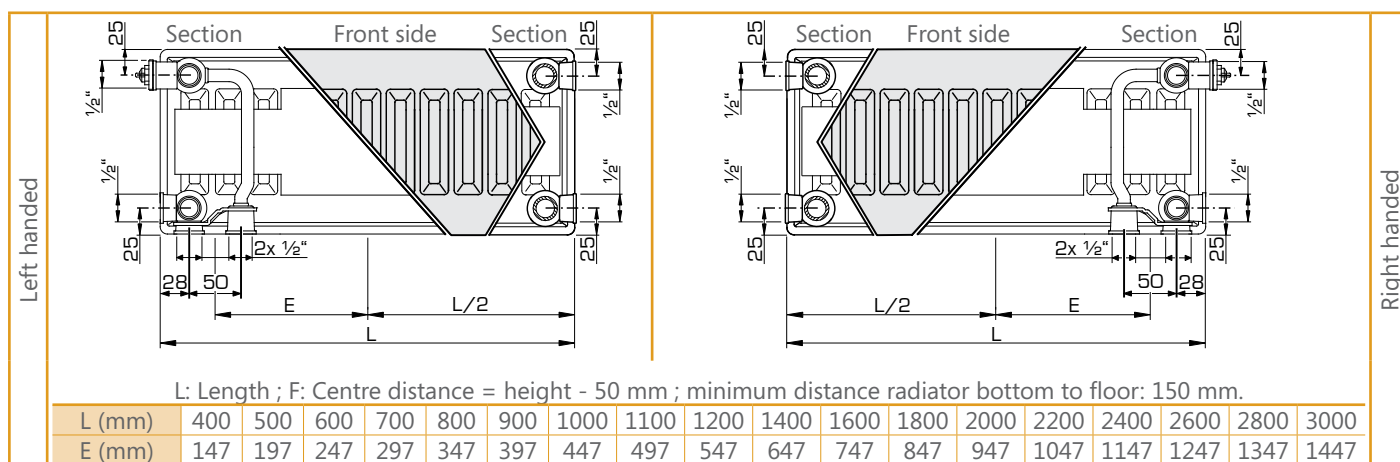
900			
11	21	22	33
1.360	1.883	2.395	3.334
408 281 0223091104	559 380 0221092104	709 482 0221092204	982 662 0221093304
510 351 0223091105	699 476 0221092105	887 602 0221092205	1.228 827 0221093305
612 422 0223091106	838 570 0221092106	1.064 722 0221092206	1.473 993 0221093306
714 492 0223091107	978 665 0221092107	1.241 843 0221092207	1.719 1.159 0221093307
816 562 0223091108	1.117 760 0221092108	1.419 963 0221092208	1.964 1.324 0221093308
917 633 0223091109	1.257 856 0221092109	1.597 1.084 0221092209	2.210 1.490 0221093309
1.019 703 0223091110	1.397 951 0221092110	1.774 1.204 0221092210	2.455 1.655 0221093310
		1.950 1.324 0221092211	2.700 1.820 0221093311
		2.128 1.445 0221092212	2.946 1.986 0221093312
		2.483 1.686 0221092214	3.438 2.317 0221093314
		2.838 1.926 0221092216	3.928 2.648 0221093316
		3.192 2.167 0221092218	4.419 2.979 0221093318

# 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.

# MOUNTING DIMENSIONS



# J-BRACKETS (TYPE MONCLAC VDI 6036)

Type 11

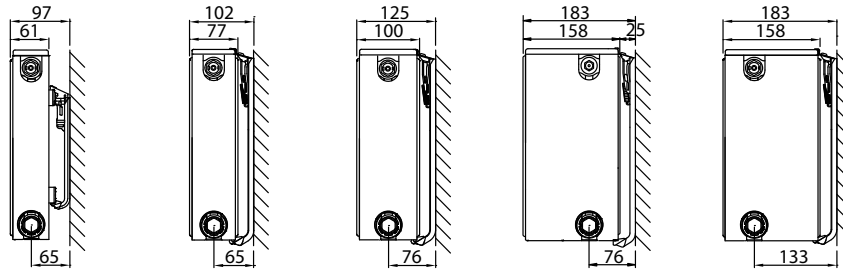
Type 21

Type 22

Type 33

Type 33

reversed rad



Type 11			Art. N°.		Height	Types 21-33					
J-bracket VDI 6036 Cl.3	x	y	2 pcs.	3 pcs.	mm	J-bracket VDI 6036 Class 3	x	y	2 pcs.	3 pcs.	mm
	/	140	R509203	R509303	300		64	190	R510203	R510303	300
	103	240	R509204	R509304	400		64	290	R510204	R510304	400
	103	340	R509205	R509305	500		64	390	R510205	R510305	500
	103	440	R509206	R509306	600		64	490	R510206	R510306	600
	103	540	R509207	R509307	700		64	590	R510207	R510307	700
	103	740	R509209	R509309	900		64	790	R510209	R510309	900

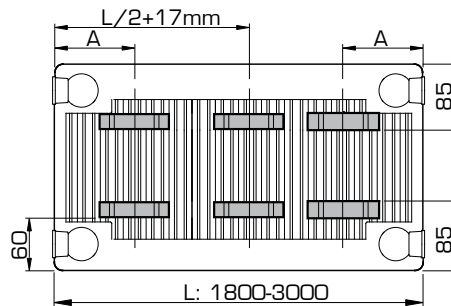
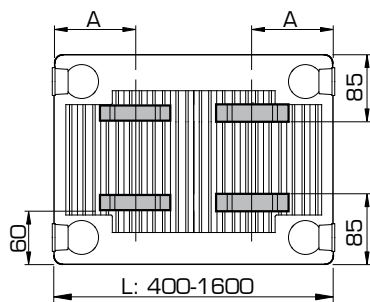
For lengths from 1800 mm: 3 brackets needed.

## LUG POSITIONS TYPE 11

Type 11

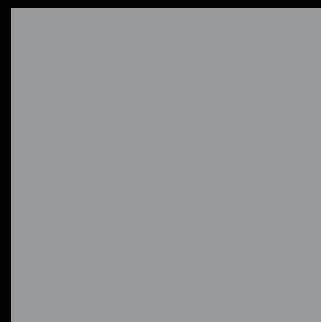
Type 11

L	A
400	117
500-1600	150



L	A
1800-3000	150

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## HENRAD

Henrad nv  
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