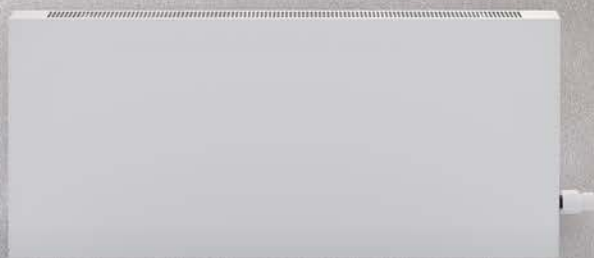


WALL-MOUNTED CONVECTORS  
WITH NATURAL CONVECTION

## KORAWALL Optimal WKO KORAWALL Power WKW



**Natural  
convection**



**Heating**



**Environmentally-  
friendly**



**Minimum energy  
consumption**



**Higher  
output**

The KORAWALL wall convectors are a traditional product that has found many satisfied customers worldwide. They excel in modern design, simple installation, economical operation and are suitable for households as well as commercial spaces. The main advantages include high thermal performance even with smaller dimensions. The low surface temperature, which reaches a maximum of 40 °C, ensures safety during use. In addition, there is no heat dissipation into the walls, which contributes to efficient energy use.

KORAWALL wall convectors are the ideal choice for anyone looking for a reliable, efficient and aesthetically pleasing heating solution.

**Traditional quality for modern spaces.**



member of KORADO Group

NEWS

# KORAWALL Optimal WKO

# KORAWALL Power WKW

## Specification

<b>Height</b>	450, 600 mm
<b>Width</b>	130 mm (WKO) 80, 130 mm (WKW)
<b>Length</b>	400, 600, 800, 1 000, 1 200, 1 400, 1 600 1 800, 2 000 mm
<b>Max. operating temperature</b>	90 °C
<b>Surface temperature</b>	40 °C*
<b>Connection thread</b>	internal G ½"
<b>Hydraulic connection</b>	bottom (right-side or left-side)

\* according to inlet water temperature

**Variant Optimal WKO** – high-performance heat-exchanger

**Variant Power WKW** – high-performance heat-exchanger with double the area of uniquely shaped fins

## Standard contents

- casing made from galvanized steel sheet, lacquered in colour RAL 9016 – white
- Al/Cu heat-exchanger with low water content, vent valve and uniquely shaped fins for higher thermal performance
- magnetic side cover in casing colour
- axial thermostatic valve
- extension nipple
- wall-mounting support
- assembly and maintenance instructions
- packed in a cardboard box

## Note

- In case of very low temperature gradient or insufficient thermal performance of the convector with natural convection, we recommend using a convector with forced convection from the KORAWALL WV series

## CONVECTOR COMPOSITION

- 1 galvanized steel casing
- 2 wall-mounting support
- 3 Al/Cu heat-exchanger with vent valve and uniquely shaped fins for higher thermal performance
- 4 axial thermostatic valve
- 5 extension nipple
- 6 magnetic side cover in casing colour
- 7 thermostatic head

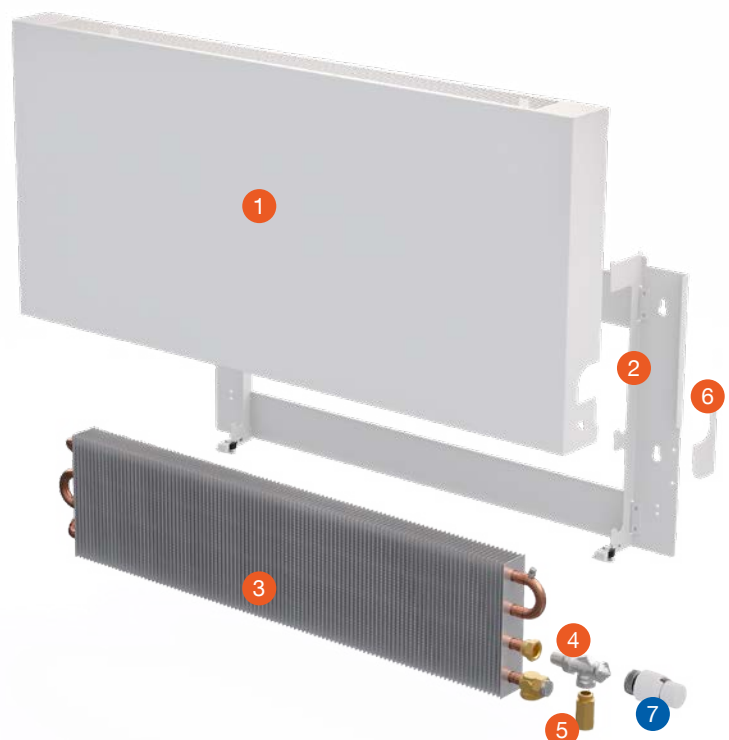


## Optional accessories

- further RAL lacquers for casings available
- SIEMENS RAA21 or SIEMENS RDE 100.1 room thermostat
- TEP 230 or TEP 24 thermoelectric actuator
- thermostatic heads
- thermostatic head with incorporated control and immersion remote sensor



Convectors KORAWALL are available with right or left connection. The required side of the connection must be specified in the order.



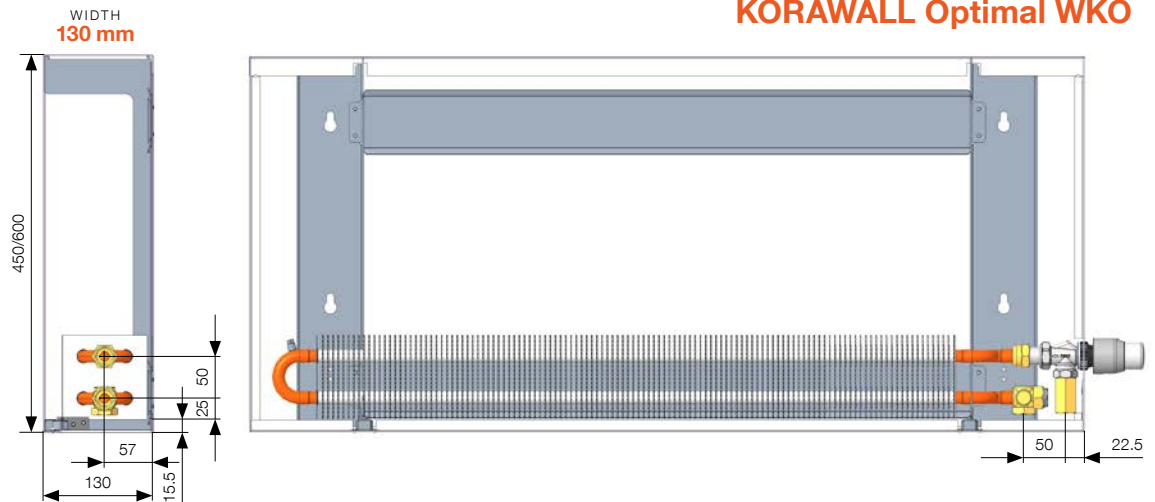
# HEAT OUTPUTS

Heat output [W] where  $t_1/t_2/t_3 = 75/65/20\text{ }^\circ\text{C}$  ( $\Delta t=50$ ) and  $55/45/20\text{ }^\circ\text{C}$  ( $\Delta t=30$ )/EN 442

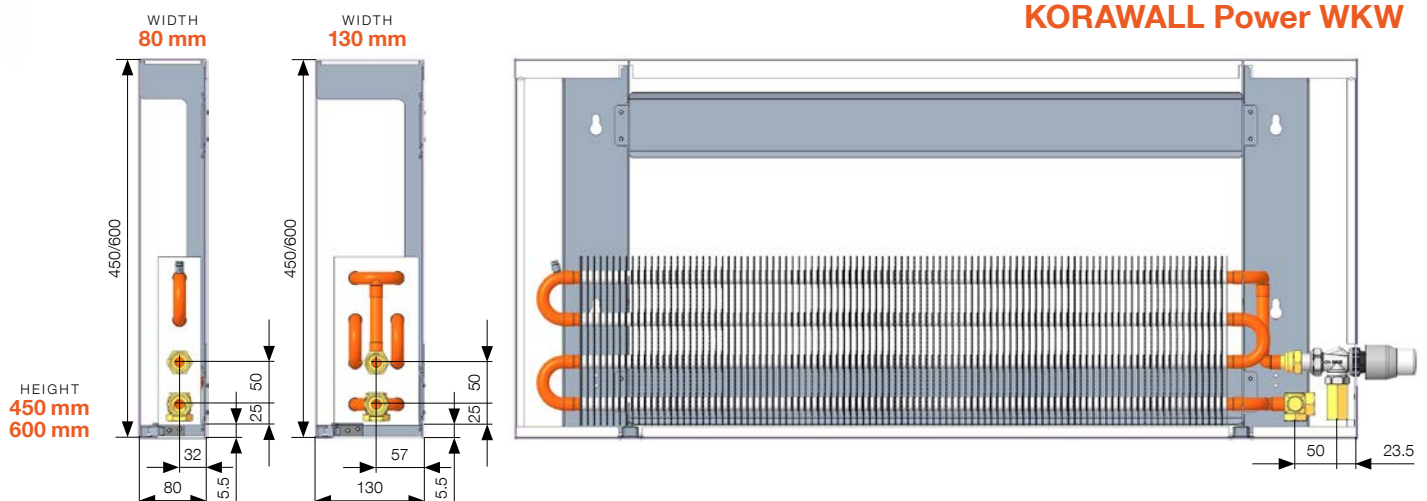
Leght	$t_1/t_2/t_3$ [°C]	KORAWALL Optimal WKO		KORAWALL Power WKW			
		Height 450	Height 600	Height 450		Height 600	
		Width 130	Width 130	Width 80	Width 130	Width 80	Width 130
400	75/65/20	163	180	136	219	148	232
	55/45/20	79	87	69	109	75	116
600	75/65/20	360	398	263	483	287	512
	55/45/20	175	192	133	240	144	256
800	75/65/20	556	615	390	748	425	791
	55/45/20	270	297	197	371	214	396
1 000	75/65/20	753	833	517	1 012	564	1 071
	55/45/20	366	403	261	503	283	535
1 200	75/65/20	949	1 050	644	1 276	702	1 351
	55/45/20	461	508	325	634	353	675
1 400	75/65/20	1 146	1 267	771	1 540	841	1 630
	55/45/20	557	613	389	765	423	815
1 600	75/65/20	1 342	1 485	898	1 804	979	1 910
	55/45/20	653	718	453	896	492	955
1 800	75/65/20	1 539	1 702	1 025	2 068	1 118	2 190
	55/45/20	748	823	517	1 027	562	1 095
2 000	75/65/20	1 735	1 919	1 152	2 333	1 256	2 469
	55/45/20	844	928	581	1 159	632	1 234
Temperature exponent [n]		1.4117	1.4225	1.338	1.370	1.346	1.357

## SUMMARY OF TYPES

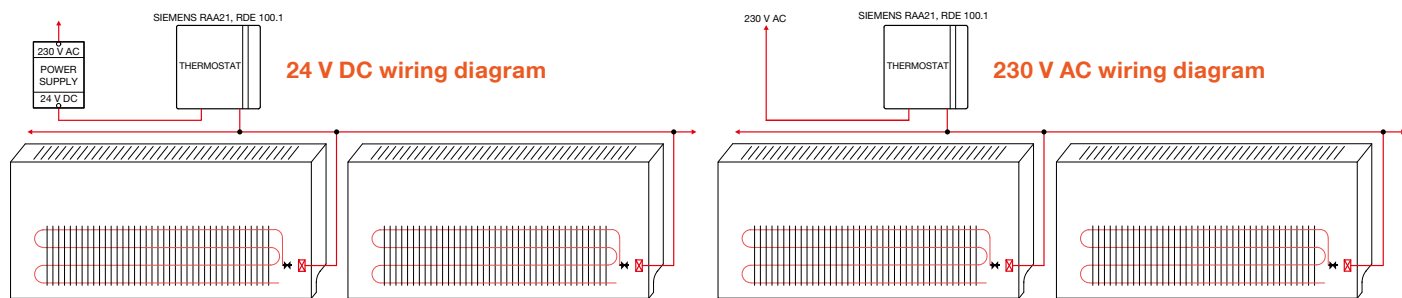
### KORAWALL Optimal WKO



### KORAWALL Power WKW



# WIRING DIAGRAMS



For illustrative purposes only. For safety reasons, we recommend the use of 24 V DC thermoelectric actuators.

# BASIC TECHNICAL DATA

	KORAWALL Optimal WKO		KORAWALL Power WKW			
	450	600	450		600	
Height [mm]	450	600	450		600	
Width [mm]	130	130	80	130	80	130
Unit weight [kg]	11.7	14.1	11.6	13.9	13.9	16.3
Water volume [l]	0.602	0.602	0.602	1.343	0.602	1.343
Effective part of the exchanger [mm]	L-234	L-234	L-186	L-234	L-186	L-234

# ORDER CODES

KORAWALL	Natural convection	Type	Length [cm]	Height [cm]	Width [cm]	Convactor connection	Heat exchanger colour	Material used	Grille type	Connection type	Connection side	Colour code
<b>W</b>	<b>K</b>	<b>O</b> Optimal <b>W</b> Power	- ... / .. / ..			<b>V</b> counter-flow	<b>1</b> without colour	<b>S</b> steel	<b>P</b> perforated	<b>S</b> bottom	<b>P</b> right <b>L</b> left	<b>10</b> RAL 9016 <b>39</b> matt black RAL 9005 ** colour according to the current colour chart <b>99</b> other RAL colour (info in the note)

## Example order code:

### WKO-120/45/13-V1SPSP-10

KORAWALL Optimal WKO wall-mounted convector, length 120 cm, height 45 cm, width 13 cm, with reversible non-lacquered, colour of the casing and the perforated grille – white RAL 9016, bottom right connection.

### WKW-100/60/08-V1SPSP-39

KORAWALL Power WKW wall-mounted convector, length 100 cm, height 60 cm, width 8 cm, with reversible non-lacquered, colour of the casing and the perforated grille – matt black RAL 9005, bottom right connection.



You can find more technical information, including an overview of accessories for KORAWALL wall-mounted convectors, in the KORAWALL technical catalog or at [www.licon.cz](http://www.licon.cz)

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