



Prices + Technology I/2023 | Price basis 01.01.2023

## Kermi convectors / compact convectors



I like it cosy. Kermi.

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# Kermi Convectors / Compact Convectors

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# Just feel good

Since 1960, we have been providing warmth at home and at work – because we know how important warmth is for our health and well-being. Kermi's heating products as well as its heating and ventilation systems make a sustainable contribution towards a healthy environment and a comfortable indoor climate.



“Indoor climate” covers everything that we at Kermi care about: We want our heating and ventilation products to optimise thermal comfort in all living spaces and workspaces for people of all ages. With this in mind, we are constantly improving our products and systems in order to achieve even better performance values with even lower energy consumption. It is important to us that our products make a contribution towards reducing CO<sub>2</sub> emissions from residential buildings.

The “Kermi x-optimised” message gets to the heart of our passion and our promise. Optimisation is what drives us every day. At the same time, we don’t want to forget the most important thing: the perfect indoor climate for maximum well-being.

However, “Kermi x-optimised” is more than just a promise. Every one of our products and solutions benefits from our commitment to optimisation. This label highlights the particularly high-performance and energy-efficient products in every category. They can be combined in any way and always fit together. The more products you combine, the greater the benefits. Ultimately, this results in even lower energy costs and less CO<sub>2</sub> with maximum thermal comfort and an optimal indoor climate.



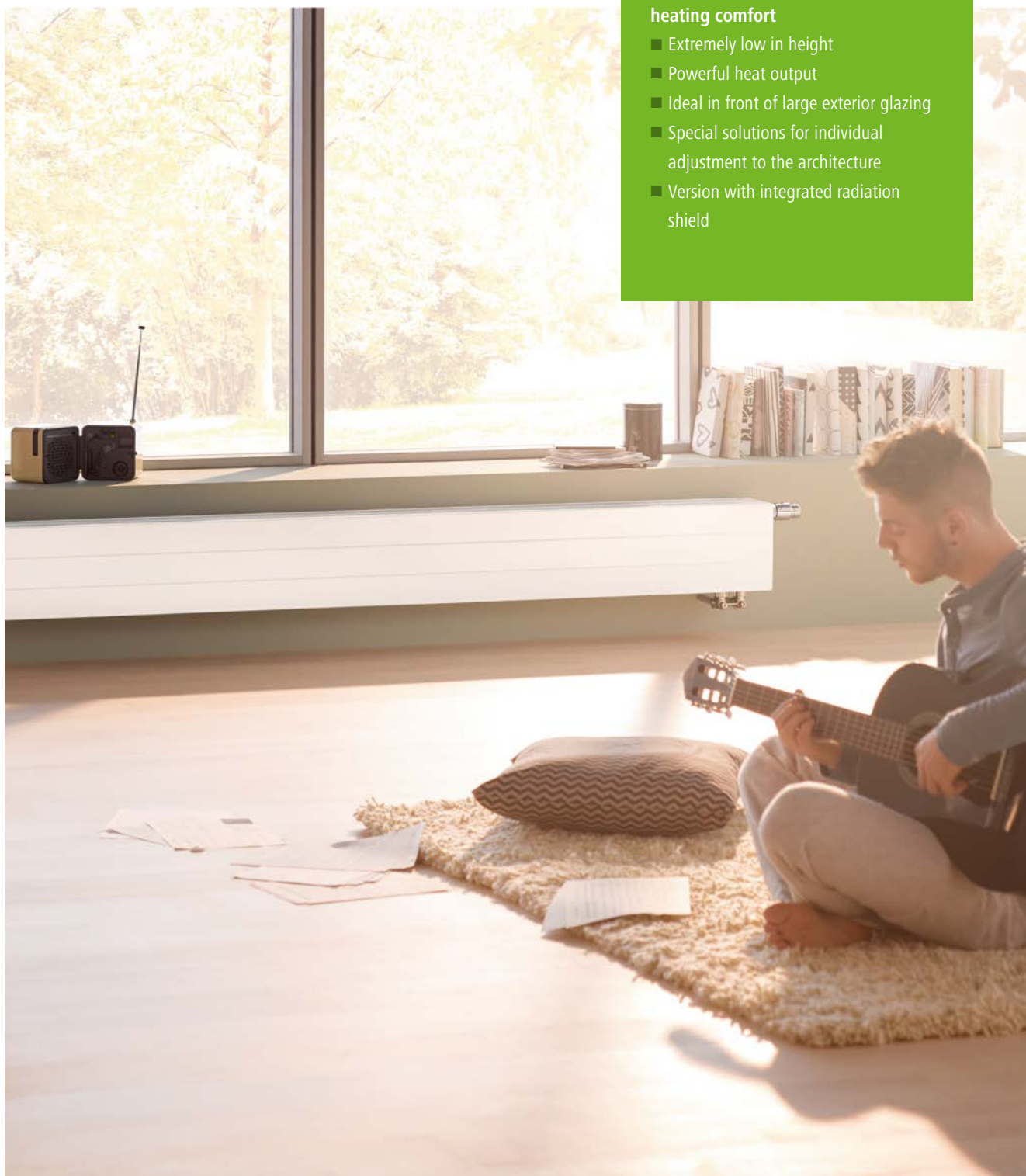
**Optimisation for maximum energy efficiency and an optimal indoor climate.  
That is our promise!**

# Compact, elegant heating comfort

- Compact and powerful
- Version with integrated valve fitting
- Special solutions for individual modification of the architecture
- Versions with integrated radiation shield
- Heights 70–280 mm
- Lengths 500–6000 mm



# Convectors



**Compact, elegant heating comfort**

- Extremely low in height
- Powerful heat output
- Ideal in front of large exterior glazing
- Special solutions for individual adjustment to the architecture
- Version with integrated radiation shield

# General description

Convectors and valve convectors with integrated radiation shield.

## Description

Kermi convectors consist of rectangular water-bearing steel pipes. 70 x 11 x 1.5 mm (6 bar) or 70 x 11 x 2.0 mm (10 bar) with fins made of sheet metal. Depth of fins 50 mm.

■ Types: KNN21, KNN22, KNN32, KNN43, KNN54

If convectors are placed in front of windows in exterior walls, suitable, permanently attached or integrated covers should be planned on the rear side of the convectors to reduce heat losses. The k-value of the cover must not exceed 0.9 watts/(m<sup>2</sup> x K).

■ Types KSN22, KSN33, KSN44, KSN55 with radiation shield.

## Valve convectors

Type KNN convectors are also available with an integrated valve as type KNV. Type KSN convectors are also available with an integrated valve as type KSV. Valve with factory preset  $k_v$  value.

## Operating conditions

Standard operating pressure: 6 bar (test pressure 7.8 bar).

On request: 10 bar operating pressure (test pressure 13 bar).

Operating temperature 110 °C hot water.

## Scope of delivery

Kermi convector including protective packaging. Blanking and air vent plugs are preinstalled or respectively for order with 6 x 1/2" sleeves (Kermi range kept in stock) included in the scope of delivery.

## Quality

All convectors are tested for watertightness. Test pressure: 7.8 bar.

Standard operating pressure: 6 bar.

## Paint finish

Two coats of paint acc. to DIN 55900, priming (ETL), powder coating (EPS), free of emissions even in heating mode. Standard colour: RAL 9016. Colour finish according to Kermi colour concept. Galvanised version / anti-corrosion coating possible for an additional charge or on request.

## Outputs

According to DIN EN 442, the heat outputs specified refer to a hot water temperature of 75/65 °C and 70/55 °C as well as a room temperature of 20 °C. If covers are used, the heat output is reduced by approx. 5–7 %.

## Packaging

Ready to install with cardboard and wrapped in plastic film.

### Kermi convector KNN. Elegant, extremely compact heating comfort

Extremely flat in its height, with powerful heat output, Kermi convectors are the ideal heat distribution solution particularly in rooms with large areas of exterior glazing, such as panorama windows, bay windows or conservatories. Short heating period, sensitive in control. Delivered turnkey in superb quality, complete with ready-to-install protective packaging. Either with or without decorative cover.



### Kermi convector KSN. With integrated radiation shield

What the Ordinance on Thermal Insulation requires for the type KSV is also elegantly and invisibly integrated: thermal insulation to prevent heat loss from external window surfaces. Developed in a special process and installed on the rear side of the convector, it effectively prevents radiation towards the window surface, thereby ensuring heat loss is reduced by up to 80 percent.



Elegant and invisibly integrated: the radiation shield in front of external window surfaces.

# Technical data – Valve convectors

## Technical information

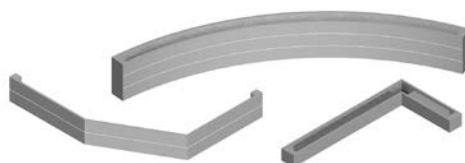
Item reference			RAL Quality mark Registration number	Height (BH) mm	Length (BL) mm	Depth (BT) mm
<b>Valve convectors</b>						
	<b>KNV21</b>	Front and rear without fins	0249	70–280	500–6000 *	72
	<b>KNV22</b>	Rear with fins	0250	70–280	500–6000 *	122
	<b>KNV32</b>	Front and rear without fins	0251	70–280	500–6000 *	133
	<b>KNV43</b>	Front and rear without fins	0252	70–280	500–6000 *	194
	<b>KNV54</b>	Front and rear without fins	0253	70–280	500–6000 *	255
<b>Valve convectors with integrated radiation shield</b>						
	<b>KSV22</b>	with integrated radiation shield	0254	70–280	500–6000 *	133
	<b>KSV33</b>	with integrated radiation shield	0255	70–280	500–6000 *	194
	<b>KSV44</b>	with integrated radiation shield	0256	70–280	500–6000 *	255
	<b>KSV55</b>	with integrated radiation shield	0257	70–280	500–6000 *	316

\* Maximum possible lengths see pricing section starting on page 64.

## Valve convectors are available up to the following output at 100 mbar:

	$\Delta p = 100$ mbar (max. heat output at 100 mbar differential pressure)
at 75/65/20 °C	6167 watts
at 70/55/20 °C	4914 watts

## Special solutions



## Valve convectors

### Operating conditions

max. operating temperature 110 °C,  
max. operating pressure 6 bar  
(test pressure 7.8 bar); on request 10 bar  
Operation with construction site protective packaging possible, observe max. permissible operating temperature of 50 °C.

### Scope of delivery

Valve convector including preset  $k_v$ -valve as well as blanking and air vent plugs

### Fixing

see chapter on “Fixing” convector technology starting on page 82.

### Paint finish

Kermi White (RAL 9016)  
Customised colouring also possible with the Kermi colour concept, see page 146

## Technical data – Convectors

### Technical information

Item reference			RAL Quality mark Registration number	Height (BH) mm	Length (BL) mm	Depth (BT) mm
<b>Convectors</b>						
	<b>KNN21</b>	Front and rear without fins	0249	70–280	500–6000 *	72
	<b>KNN22</b>	Rear with fins	0250	70–280	500–6000 *	122
	<b>KNN32</b>	Front and rear without fins	0251	70–280	500–6000 *	133
	<b>KNN43</b>	Front and rear without fins	0252	70–280	500–6000 *	194
	<b>KNN54</b>	Front and rear without fins	0253	70–280	500–6000 *	255
<b>Convectors with integrated radiation shield</b>						
	<b>KSN22</b>	with integrated radiation shield	0254	70–280	500–6000 *	133
	<b>KSN33</b>	with integrated radiation shield	0255	70–280	500–6000 *	194
	<b>KSN44</b>	with integrated radiation shield	0256	70–280	500–6000 *	255
	<b>KSN55</b>	with integrated radiation shield	0257	70–280	500–6000 *	316

\* Maximum possible lengths see pricing section starting on page 64.

### Convectors

#### Operating conditions

max. operating temperature 110 °C,  
max. operating pressure 6 bar  
(test pressure 7.8 bar); on request 10 bar  
Operation with construction site protective  
packaging possible, observe max.  
permissible operating temperature of  
50 °C.

#### Scope of delivery

Convector as well as blanking and air  
vent plugs.

#### Fixing

see chapter on “Fixing” convector  
technology starting on page 82.

#### Paint finish

Kermi White (RAL 9016)  
Customised colouring also possible with  
the Kermi colour concept, see page 146

# Technical data per metre length convectors / valve convectors

## Technical data per metre of length

Name	Weight per metre in kg/m	Head weight in kg	Water content in l/m	Exponent n	Radiation component in %	Standard heat output / m acc. to EN 442 in watts (75/65/20 °C)
<b>Height 70 mm</b>						
KNN21 / KNV21	5.15	0.39	1.30	1.2371	20	349
KNN22 / KNV22	6.53	0.78	1.30	1.2301	20	405
KNN32 / KNV32	8.41	0.78	2.10	1.2168	10	593
KNN43 / KNV43	11.68	1.17	2.80	1.2246	10	813
KNN54 / KNV54	14.90	1.56	3.60	1.2094	10	1025
<b>Height 140 mm</b>						
KNN21 / KNV21	10.85	0.71	2.60	1.2952	20	543
KNN22 / KNV22	14.17	1.42	2.60	1.2696	20	727
KNN32 / KNV32	17.93	1.42	4.20	1.2938	10	878
KNN43 / KNV43	25.01	2.13	5.80	1.2885	10	1185
KNN54 / KNV54	32.10	2.83	7.30	1.2866	10	1486
<b>Height 210 mm</b>						
KNN21 / KNV21	16.55	1.03	3.90	1.3532	20	691
KNN22 / KNV22	21.80	2.05	3.90	1.3091	20	977
KNN32 / KNV32	27.45	2.05	6.30	1.3708	10	1127
KNN43 / KNV43	38.35	3.08	8.70	1.3524	10	1640
KNN54 / KNV54	49.25	4.11	11.00	1.3637	10	2092
<b>Height 280 mm</b>						
KNN21 / KNV21	22.25	1.34	5.30	1.3518	20	809
KNN22 / KNV22	29.44	2.69	5.30	1.3361	20	1154
KNN32 / KNV32	36.97	2.69	8.40	1.3912	10	1363
KNN43 / KNV43	51.69	4.03	11.60	1.3953	10	1884
KNN54 / KNV54	66.41	5.38	14.80	1.4107	10	2395

**Please note:** Data corresponds to standard operating pressure of 6 bar. For 10 bar: weight increase of 30 %.

### Example of weight calculation on the basis of KNN32 / height 140 / length 3400:

Weight empty	=	(weight per metre × length of convector	+	Head weight
62.4 kg	=	(17.9 kg × 3.4 m)	+	1.4 kg

# Technical data per metre length convectors and valve convectors with radiation shield

## Technical data per metre of length

Name	Weight per metre in kg/m	Head weight in kg	Water content in l/m	Exponent n	Radiation component in %	Standard heat output / m acc. to EN 442 in watts (75/65/20 °C)
<b>Height 70 mm</b>						
KSN22 / KSV22	7.09	0.78	1.30	1.2030	20	458
KSN33 / KSV33	10.36	1.17	2.10	1.2104	10	720
KSN44 / KSV44	13.62	1.56	2.80	1.2178	10	933
KSN55 / KSV55	17.27	1.95	3.60	1.2365	10	1097
<b>Height 140 mm</b>						
KSN22 / KSV22	15.30	1.42	2.60	1.2564	20	723
KSN33 / KSV33	22.38	2.13	4.20	1.2698	10	1145
KSN44 / KSV44	29.46	2.83	5.80	1.2832	10	1372
KSN55 / KSV55	37.30	3.54	7.30	1.2875	10	1796
<b>Height 210 mm</b>						
KSN22 / KSV22	23.50	2.05	3.90	1.3098	20	934
KSN33 / KSV33	34.40	3.08	6.30	1.3292	10	1432
KSN44 / KSV44	45.30	4.11	8.70	1.3486	10	1911
KSN55 / KSV55	57.33	5.13	11.00	1.3384	10	2372
<b>Height 280 mm</b>						
KSN22 / KSV22	31.70	2.69	5.30	1.3785	20	1110
KSN33 / KSV33	46.42	4.03	8.40	1.3733	10	1580
KSN44 / KSV44	61.14	5.38	11.60	1.3681	10	2167
KSN55 / KSV55	77.37	6.72	14.80	1.3837	10	2870

**Please note:** Data corresponds to standard operating pressure of 6 bar. For 10 bar: weight increase of 30 %.

## Heat output – Convectors

### Registered output data according to DIN EN 442 / Convectors

Height mm	Type KNN 21		Type KNN 22		Type KNN 32		Type KNN 43		Type KNN 54	
	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n
70	349	1.2371	405	1.2301	593	1.2168	813	1.2246	1025	1.2094
140	543	1.2952	727	1.2696	878	1.2938	1185	1.2885	1486	1.2866
210	691	1.3532	977	1.3091	1127	1.3708	1640	1.3524	2092	1.3637
280	809	1.3518	1154	1.3361	1363	1.3912	1884	1.3953	2395	1.4107
Radiation component	20 %		20 %		10 %		10 %		10 %	

**Please note:** Values are similar for valve convectors.



## Heat output – Convectors with radiation shield

### Registered output data according to DIN EN 442 / convectors with radiation shield

Height mm	Type KSN 22		Type KSN 33		Type KSN 44		Type KSN 55	
	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n
70	458	1.2030	720	1.2104	933	1.2178	1097	1.2365
140	723	1.2564	1145	1.2698	1372	1.2832	1796	1.2875
210	934	1.3098	1432	1.3292	1911	1.3486	2372	1.3384
280	1110	1.3785	1580	1.3733	2167	1.3681	2870	1.3837
Radiation component	20 %		10 %		10 %		10 %	

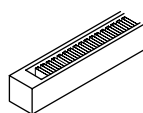
**Please note:** Registered output data according to DIN EN 442.



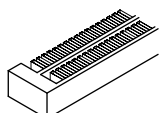


# Overview of connection images – Convectors

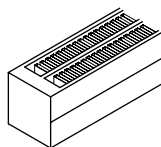
## Convectors (KNN) and convectors with integrated radiation shield (KSN) – Connection options



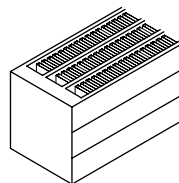
KNN21 BH 70 mm



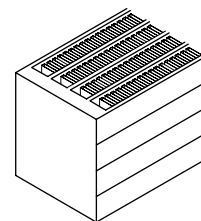
KNN22 BH 70 mm



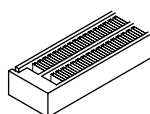
KNN32 BH 140 mm



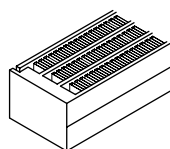
KNN43 BH 210 mm



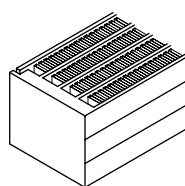
KNN54 BH 280 mm



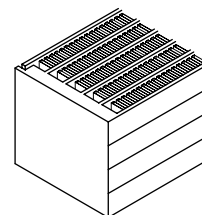
KSN22 BH 70 mm



KSN33 BH 140 mm



KSN44 BH 210 mm



KSN55 BH 280 mm

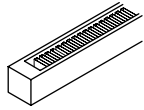
### Two pipe connection same side and alternate side

Connection image				Additional price EUR
<p>12</p>	<p>34</p>	<p>14</p>	<p>32</p>	no surcharge
on side from left	on side from right	diagonal from left	diagonal from right	
<p>24</p>	<p>42</p>			
in-line at bottom from left	in-line at bottom from right			
<p>68</p>	<p>86</p>	<p>66</p>	<p>88</p>	+ 41.57
downwards, flow on left	downwards, flow on right	in sequence, downwards on left	one behind the other, downwards on right	
<p>69</p>	<p>89</p>	<p>99</p>	<p>99</p>	Connection image 69 + 89 + 88.47  Connection image 99 + 134.20
side by side, downwards on left	side by side, downwards, on right	side by side, downwards, in centre, flow on left or right		

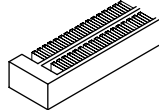
E = drain, L = air vent  
BH = height

# Overview of connection images – Convectors

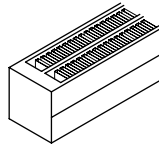
## Convectors (KNN) and convectors with integrated radiation shield (KSN) – Connection options



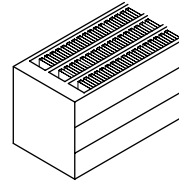
KNN21 BH 70 mm



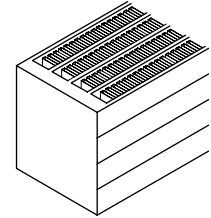
KNN22 BH 70 mm



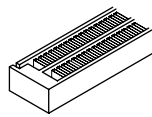
KNN32 BH140 mm



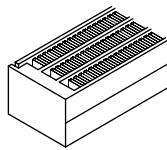
KNN43 BH 210 mm



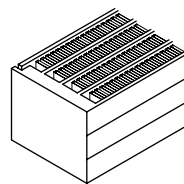
KNN54 BH 280 mm



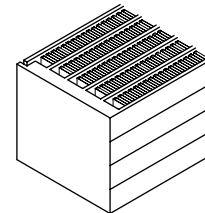
KSN22 BH 70 mm



KSN33 BH 140 mm



KSN44 BH 210 mm

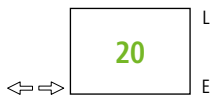


KSN55 BH 280 mm

### One-pipe connections, on same side

#### Connection image

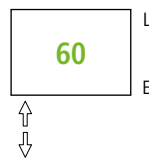
#### Additional price EUR



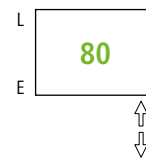
on side from left



on side from right



downwards, on left



downwards, on right

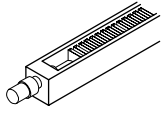
Connection image  
20 + 40  
+ 40.25

Connection image  
60 + 80  
+ 40.25

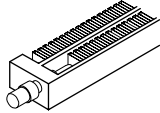
E = drain, L = air vent  
BH = height

# Overview of connection images valve convectors

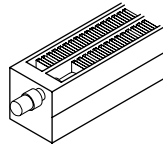
## Valve convectors (KNV) and valve convectors with radiation shield (KSV) – Connection options



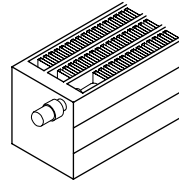
KNV21 BH 70 mm



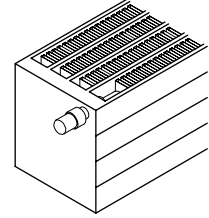
KNV22 BH 70 mm



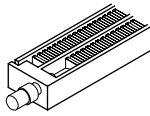
KNV32 BH 140 mm



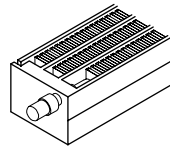
KNV43 BH 210 mm



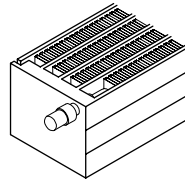
KNV54 BH 280 mm



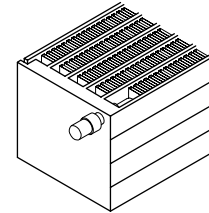
KSV22 BH 70 mm



KSV33 BH 140 mm



KSV44 BH 210 mm



KSV55 BH 280 mm

### Two-pipe connections on same side

Connection image	Additional price EUR
<p>Connection at bottom left, Valve at top left</p>	<p>Connection image SOL + SOR <b>+ 217.14</b> on price KNN/KSN</p> <p>Connection image MOL + MOR <b>+ 268.62</b> on price KNN/KSN</p>
<p>Connection at bottom right, Valve at top right</p>	
<p>Centre connection, valve at top left</p>	
<p>Centre connection, valve at top right</p>	

E = drain, L = air vent  
BH = height

**Please note:** from length > 2000 mm on request, only possible with height 140, 210, and 280 mm.

# Assignment connection image – Type of convector

## Connection image 12



Two-pipe connections  
on side from left

Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p> <p>Connection G 3/8" IG</p>	<p><b>KSN22</b></p> <p>Connection G 3/8" IG</p>
<p><b>KNN22</b></p> <p>Connection G 3/8" IG</p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

IG = internal thread

Connection diameter standard 1/2", if required 3/8", on request 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 12



Two-pipe connections on side from left

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Hub distance =  
BH – 40 mm

BH = height

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type of convector

Connection image 34



Two-pipe connections  
on side from right

Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p style="text-align: center;"><b>KNN21</b></p> <p style="text-align: center;">Connection G 3/8" IG</p>	<p style="text-align: center;"><b>KSN22</b></p> <p style="text-align: center;">Connection G 3/8" IG</p>
<p style="text-align: center;"><b>KNN22</b></p> <p style="text-align: center;">Connection G 3/8" IG</p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

IG = internal thread

Connection diameter standard 1/2", if required 3/8", on request 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 34



Two-pipe connections on side from right

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

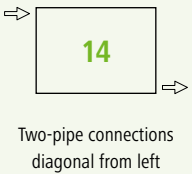
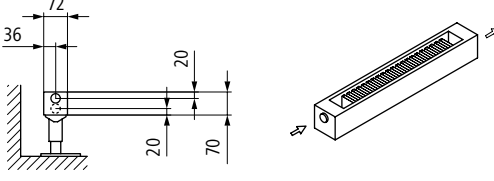
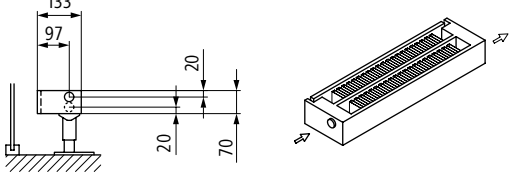
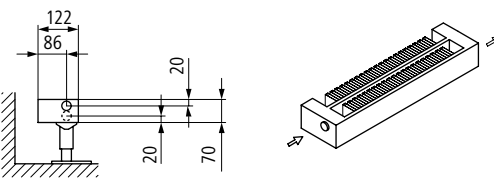
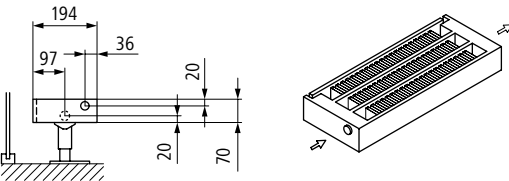
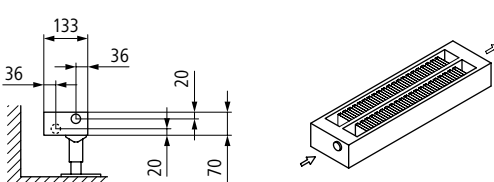
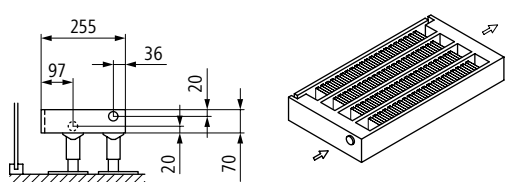
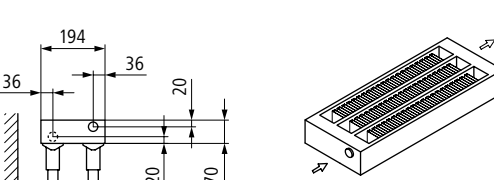
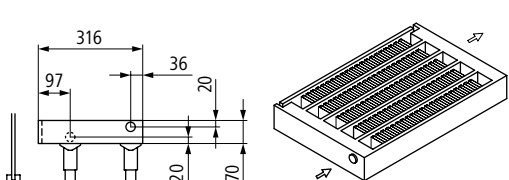
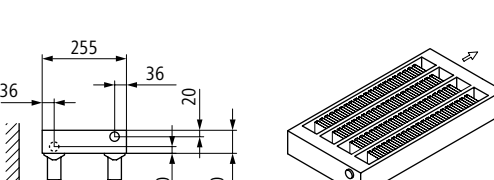
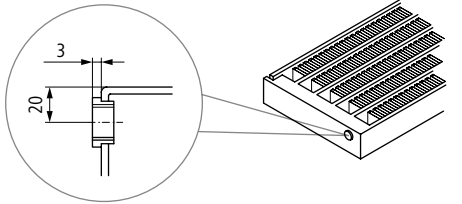
Hub distance =  
BH – 40 mm

BH = height

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
 The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

Connection image 14

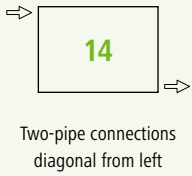
 <p>Two-pipe connections diagonal from left</p>	Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
		<b>KNN21</b>
		
	<b>KNN22</b>	<b>KSN33</b>
		
	<b>KNN32</b>	<b>KSN44</b>
		
	<b>KNN43</b>	<b>KSN55</b>
		
	<b>KNN54</b>	<b>Detailed view connecting sleeve for KNN/KSN</b>
		

Connection diameter standard 1/2", if required 3/8", on request 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").



Connection image 14

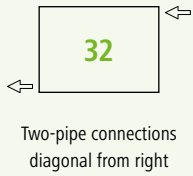


Convectors (KNN) Height 140–280 mm	Convectors with radiation shield (KSN) Height 140–280 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
 The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

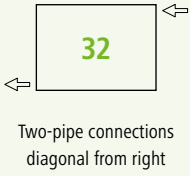
## Connection image 32



Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 32

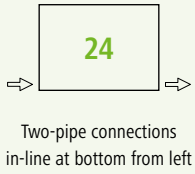


Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
 The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type


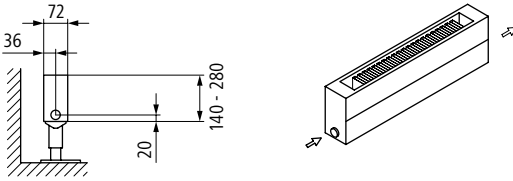
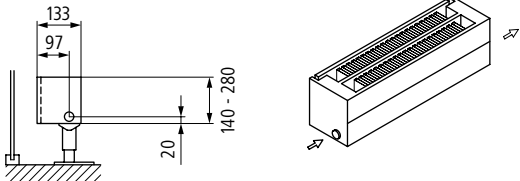
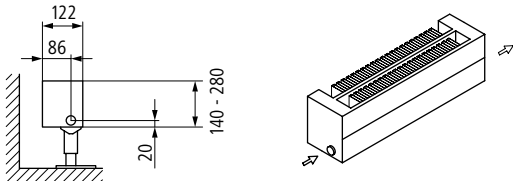
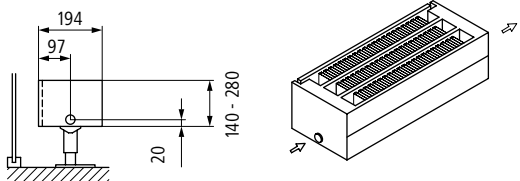
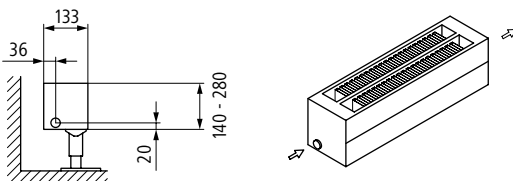
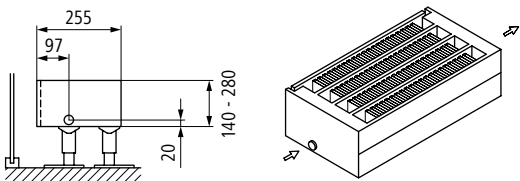
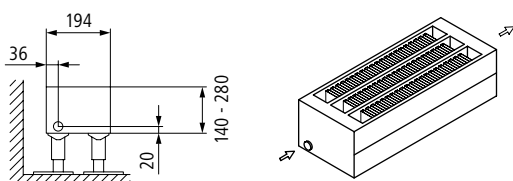
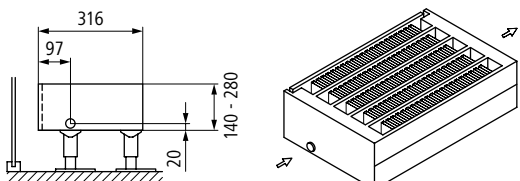
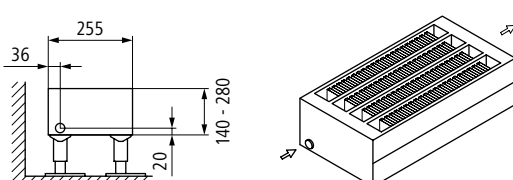
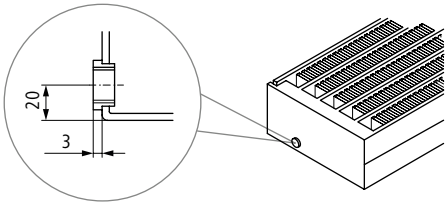
## Connection image 24



Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

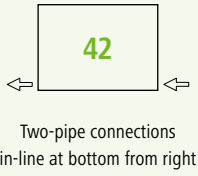
Connection image 24

 <p>Two-pipe connections in-line at bottom from left</p>	<p><b>Convertors (KNN)</b> Height 140–280 mm</p>	<p><b>Convertors with radiation shield (KSN)</b> Height 140–280 mm</p>
	<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
	<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
	<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
	<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
	<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 42



Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 42

**42**

Two-pipe connections  
in-line at bottom from right

Convectors (KNN) Height 140–280 mm	Convectors with radiation shield (KSN) Height 140–280 mm
<b>KNN21</b>	<b>KSN22</b>
<b>KNN22</b>	<b>KSN33</b>
<b>KNN32</b>	<b>KSN44</b>
<b>KNN43</b>	<b>KSN55</b>
<b>KNN54</b>	<b>Detailed view connecting sleeve for KNN/KSN</b>

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 68

68

Two-pipe connections downwards, flow on left

	Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
	<b>KNN21</b>	<b>KSN22</b>
	<b>KNN22</b>	<b>KSN33</b>
	<b>KNN32</b>	<b>KSN44</b>
	<b>KNN43</b>	<b>KSN55</b>
	<b>KNN54</b>	<b>Detailed view connecting sleeve for KNN/KSN</b>

Hub distance =  
BH – 44 mm

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").



Connection image 68



Two-pipe connections downwards, flow on left

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Hub distance =  
BH – 44 mm

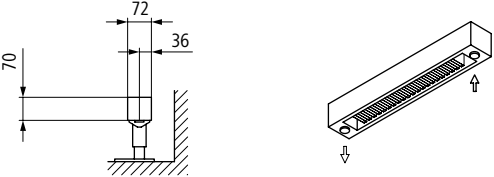
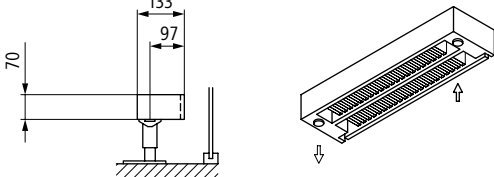
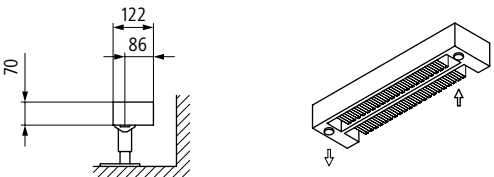
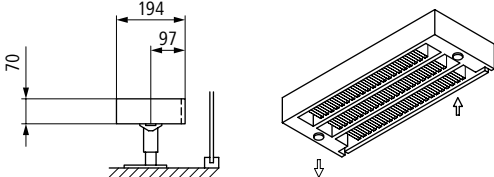
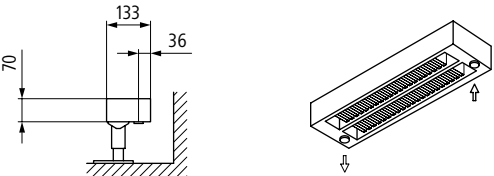
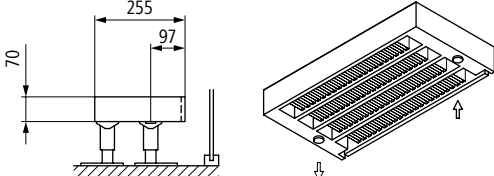
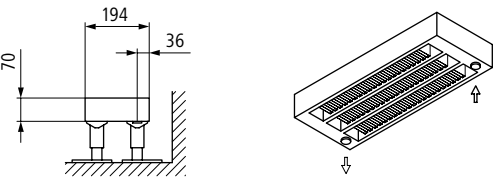
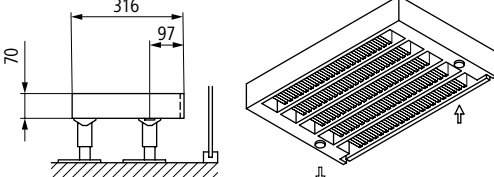
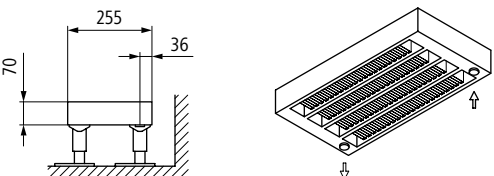
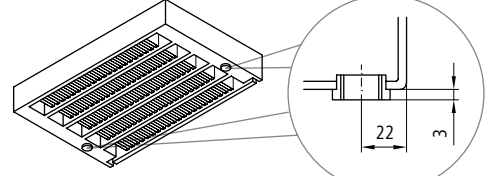
Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 86

**86**

Two-pipe connections downwards, flow on right

Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

Hub distance =  
BH – 44 mm

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 86



Two-pipe connections downwards, flow on right

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Hub distance =  
BH – 44 mm

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 66

66

Two-pipe connections  
in sequence, downwards  
on left

	Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
	<b>KNN21</b>	<b>KSN22</b>
	<b>KNN22</b>	<b>KSN33</b>
	<b>KNN32</b>	<b>KSN44</b>
	<b>KNN43</b>	<b>KSN55</b>
	<b>KNN54</b>	<b>Detailed view connecting sleeve for KNN/KSN</b>

G = thread

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

	KNN 21	KNN 22	KNN 32	KNN 43	KNN 54
<b>X</b>	<b>mm</b>				
G 1/2"	12	12	3	3	3
G 3/8"	10	10	3	3	3
G 3/4"	-	-	3	3	3

Connection image 66

66

Two-pipe connections  
in sequence, downwards  
on left

Convectors (KNN) Height 140–280 mm	Convectors with radiation shield (KSN) Height 140–280 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

G = thread

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

	KSN 22	KSN 33	KSN 44	KSN 55
<b>X</b>	mm			
G 1/2"	12	3	3	3
G 3/8"	10	3	3	3
G 3/4"	–	3	3	3

# Assignment connection image – Type

## Connection image 88

**88**

Two-pipe connections  
in sequence, downwards  
on right

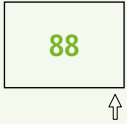
Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

G = thread

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

	KNN 21	KNN 22	KNN 32	KNN 43	KNN 54
<b>X</b>	<b>mm</b>				
G 1/2"	12	12	3	3	3
G 3/8"	10	10	3	3	3
G 3/4"	–	–	3	3	3

### Connection image 88



Two-pipe connections  
in sequence, downwards  
on right

Convectors (KNN) Height 140–280 mm	Convectors with radiation shield (KSN) Height 140–280 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

G = thread

Connection diameter standard 1/2", if required 3/8", on request 3/4".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

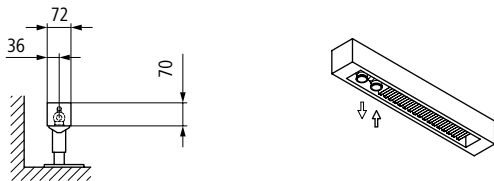
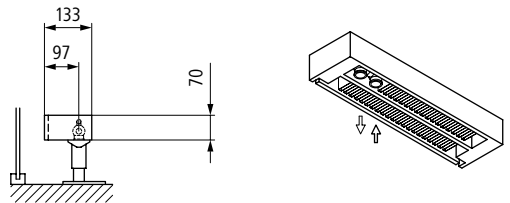
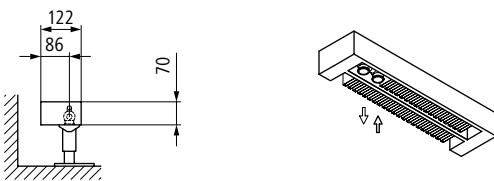
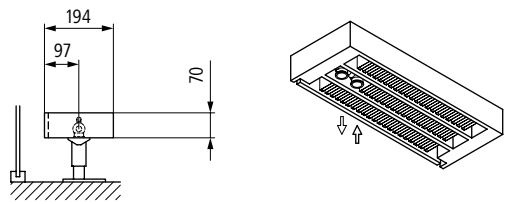
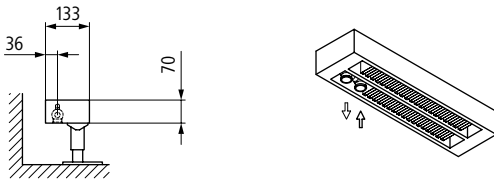
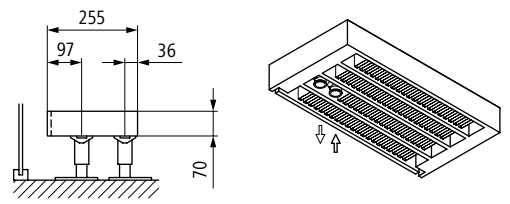
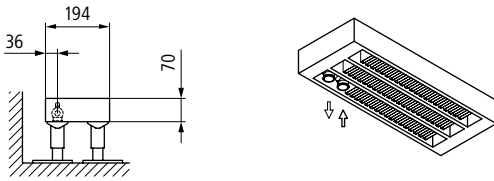
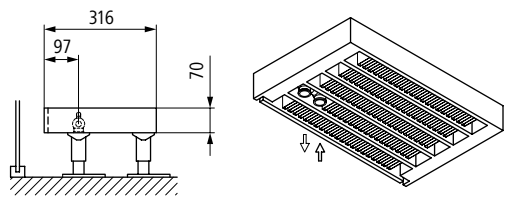
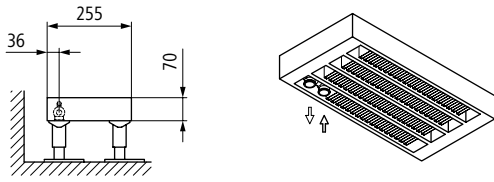
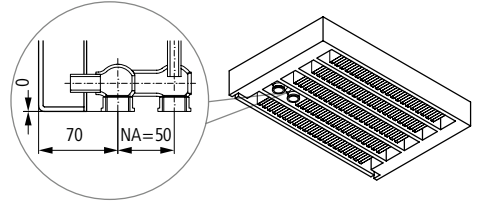
	KSN 22	KSN 33	KSN 44	KSN 55
<b>X</b>	<b>mm</b>			
G 1/2"	12	3	3	3
G 3/8"	10	3	3	3
G 3/4"	–	3	3	3

# Assignment connection image – Type

## Connection image 69



Two-pipe connections downwards, side by side on left

	Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
	<b>KNN21</b>	<b>KSN22</b>
		
	<b>KNN22</b>	<b>KSN33</b>
		
	<b>KNN32</b>	<b>KSN44</b>
		
	<b>KNN43</b>	<b>KSN55</b>
		
	<b>KNN54</b>	<b>Detailed view connecting sleeve for KNN/KSN</b>
		

Hub distance = 50 mm

NA = hub distance, connection diameter standard 1/2".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").



Connection image 69



Two-pipe connections downwards, side by side on left

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

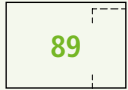
Hub distance = 50 mm

NA = hub distance, connection diameter standard 1/2".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 89



Two-pipe connections downwards, side by side on right

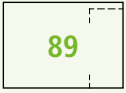
	Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
	<b>KNN21</b> 	<b>KSN22</b> 
	<b>KNN22</b> 	<b>KSN33</b> 
	<b>KNN32</b> 	<b>KSN44</b> 
	<b>KNN43</b> 	<b>KSN55</b> 
	<b>KNN54</b> 	<b>Detailed view connecting sleeve for KNN/KSN</b> 

Hub distance = 50 mm

NA = hub distance, connection diameter standard 1/2".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 89



Two-pipe connections downwards, side by side on right

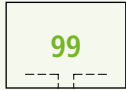
Convectors (KNN) Height 140–280 mm	Convectors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Hub distance = 50 mm

NA = hub distance, connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 99



Two-pipe connections downwards, side by side in centre

Hub distance = 50 mm

Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p>	<p><b>KSN22</b></p>
<p><b>KNN22</b></p>	<p><b>KSN33</b></p>
<p><b>KNN32</b></p>	<p><b>KSN44</b></p>
<p><b>KNN43</b></p>	<p><b>KSN55</b></p>
<p><b>KNN54</b></p>	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p>

NA = hub distance, connection diameter standard 1/2".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 99



Two-pipe connections downwards, side by side in centre

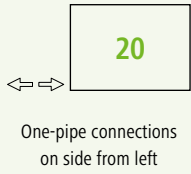
Hub distance = 50 mm

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

NA = hub distance, connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 20

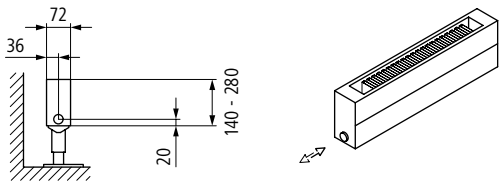
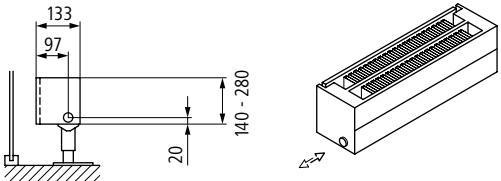
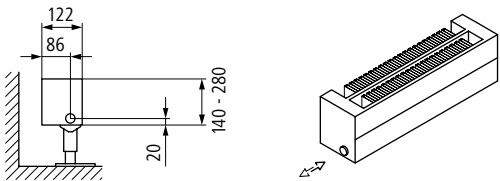
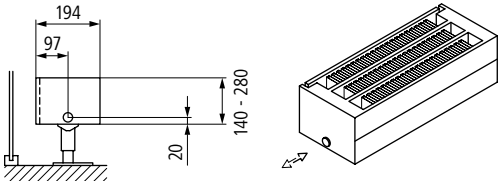
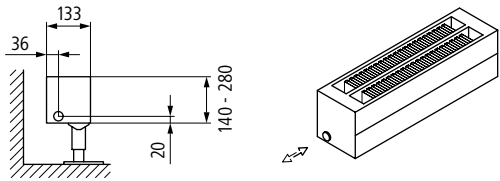
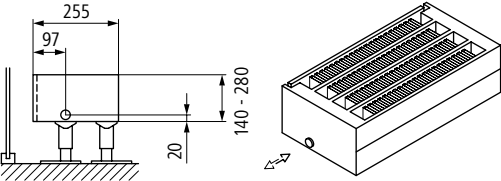
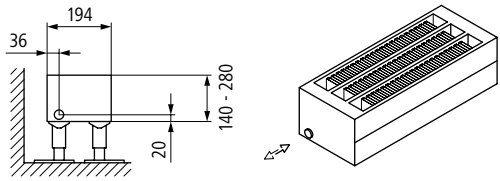
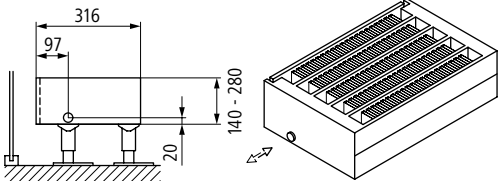
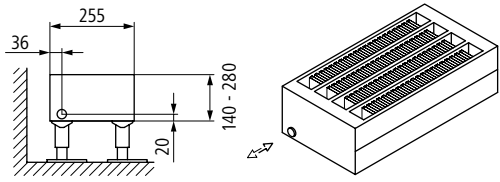
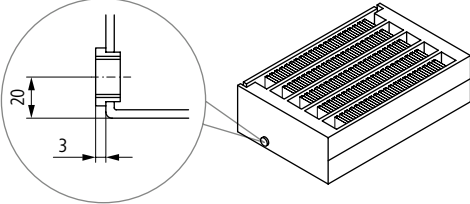


Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<b>KNN21</b> 	<b>KSN22</b> 
<b>KNN22</b> 	<b>KSN33</b> 
<b>KNN32</b> 	<b>KSN44</b> 
<b>KNN43</b> 	<b>KSN55</b> 
<b>KNN54</b> 	<b>Detailed view connecting sleeve for KNN/KSN</b> 

Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 20

20  
One-pipe connections  
on side from left

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p> 	<p style="text-align: center;"><b>KSN22</b></p> 
<p style="text-align: center;"><b>KNN22</b></p> 	<p style="text-align: center;"><b>KSN33</b></p> 
<p style="text-align: center;"><b>KNN32</b></p> 	<p style="text-align: center;"><b>KSN44</b></p> 
<p style="text-align: center;"><b>KNN43</b></p> 	<p style="text-align: center;"><b>KSN55</b></p> 
<p style="text-align: center;"><b>KNN54</b></p> 	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

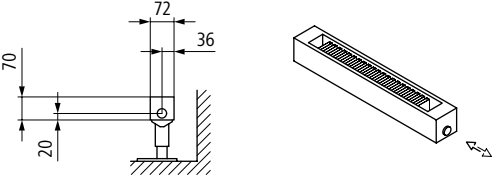
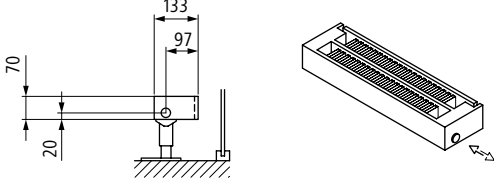
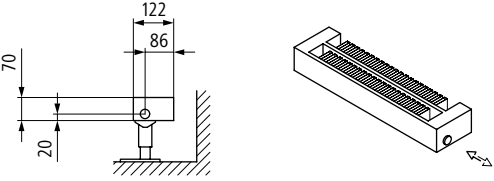
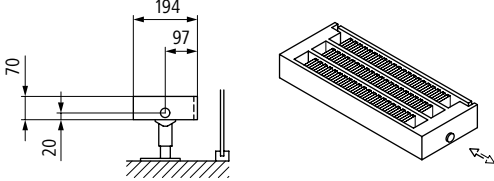
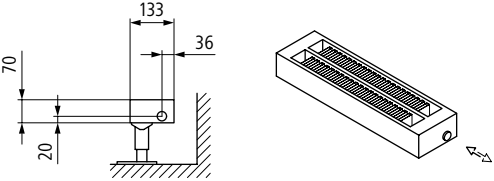
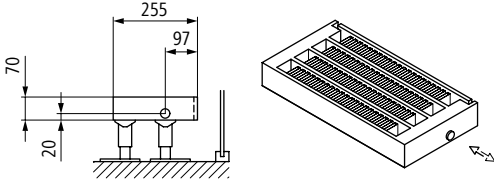
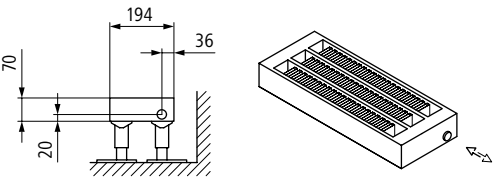
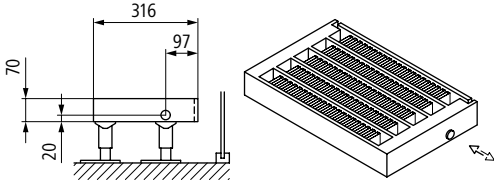
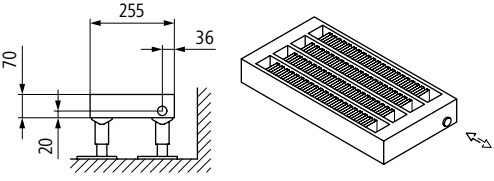
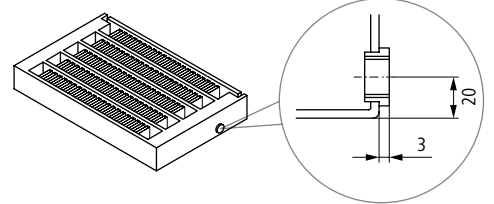
Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 40

**40**

One-pipe connections  
on side from right

Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

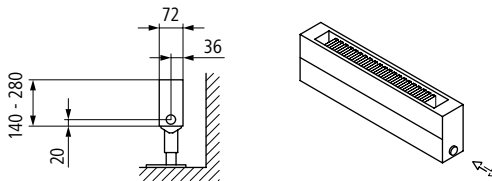
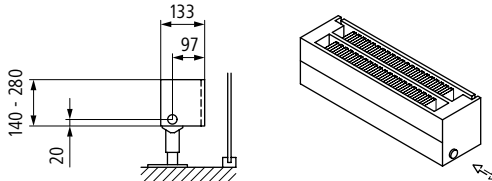
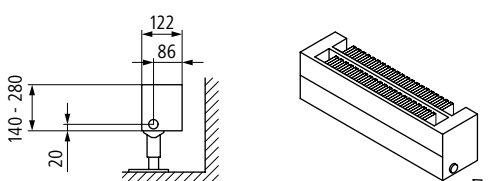
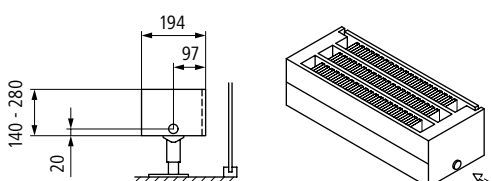
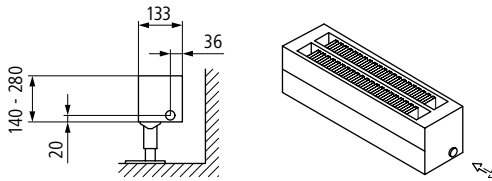
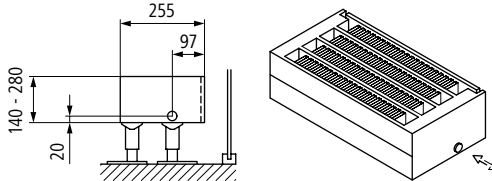
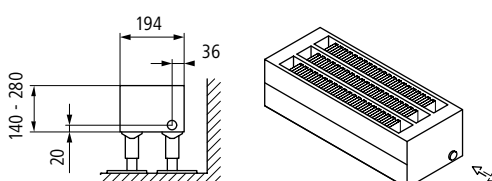
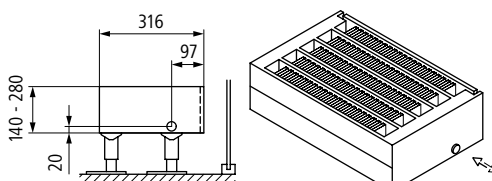
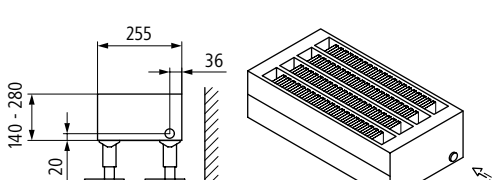
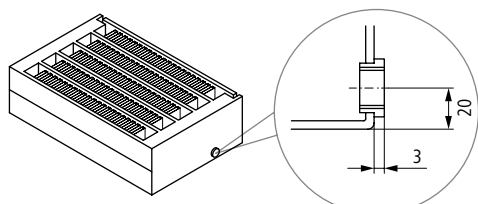
Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").



Connection image 40

40

One-pipe connections  
on side from right

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

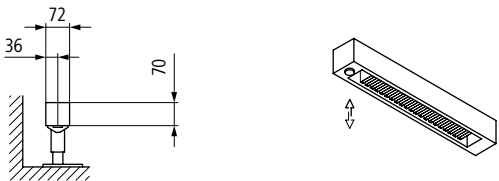
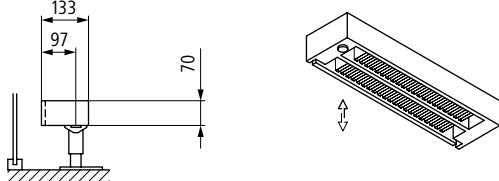
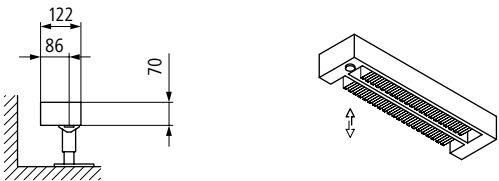
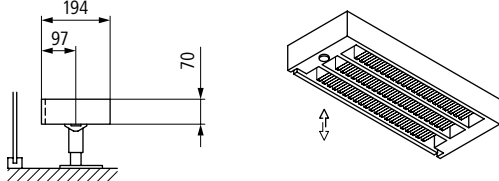
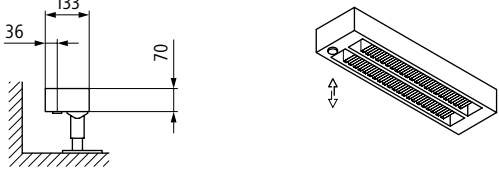
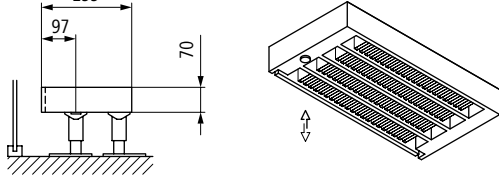
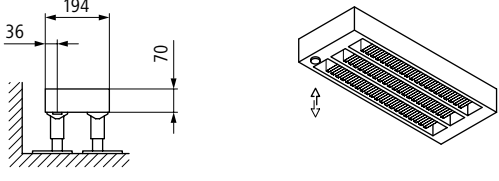
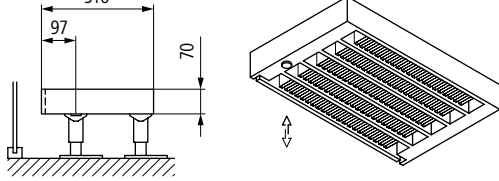
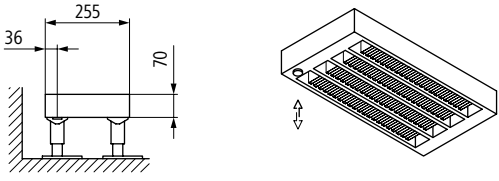
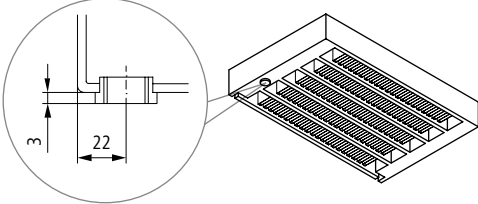
Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 60

60

One-pipe connection downwards, on left

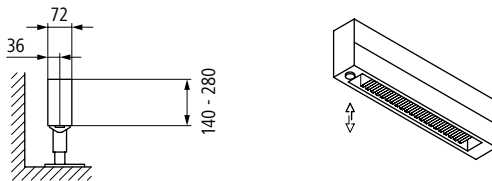
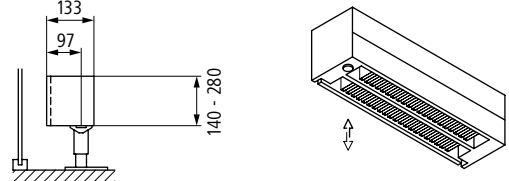
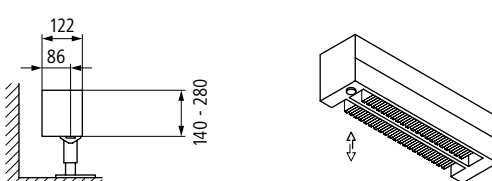
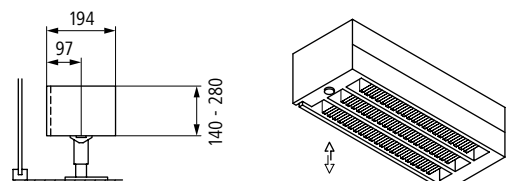
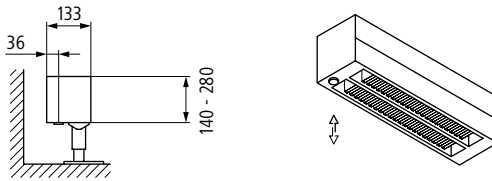
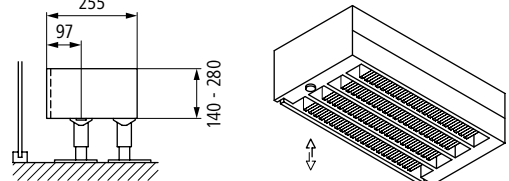
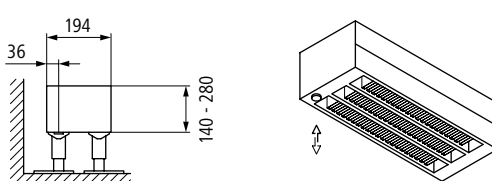
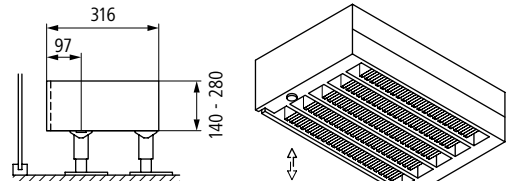
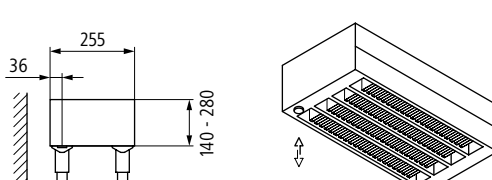
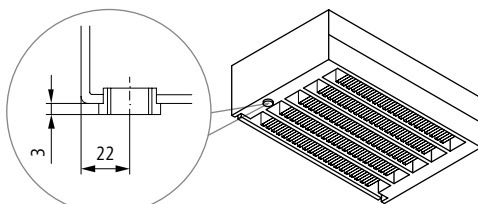
Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 60

60

One-pipe connection downwards, on left

Convertors (KNN) Height 140–280 mm	Convertors with radiation shield (KSN) Height 140–280 mm
<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

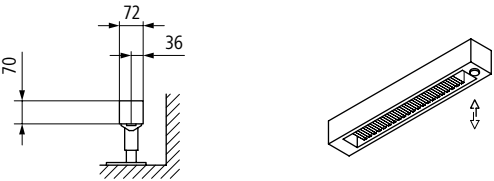
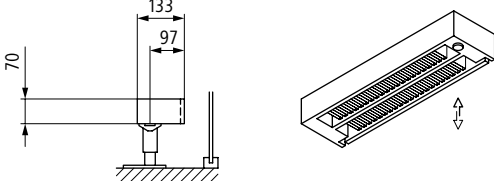
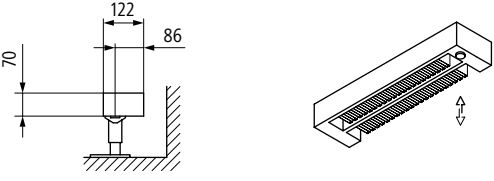
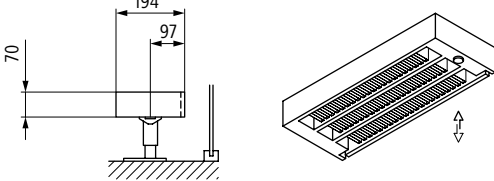
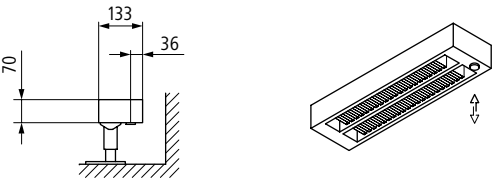
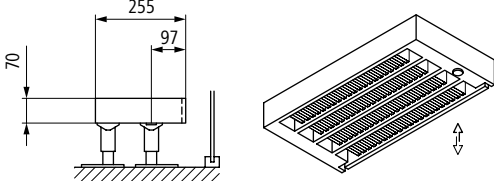
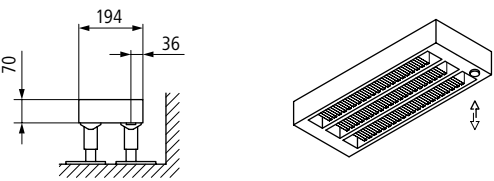
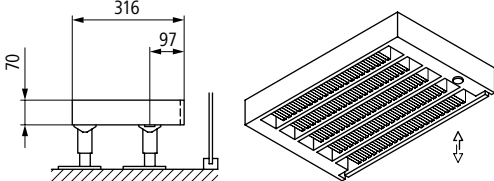
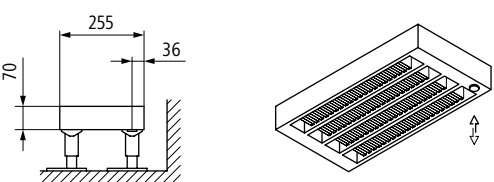
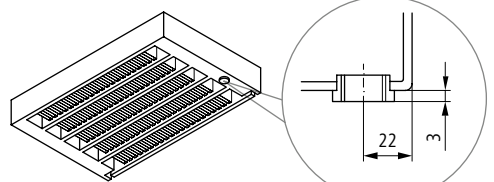
Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image 80

80

One-pipe connections downwards, on right

Convectors (KNN) Height 70 mm	Convectors with radiation shield (KSN) Height 70 mm
<p><b>KNN21</b></p> 	<p><b>KSN22</b></p> 
<p><b>KNN22</b></p> 	<p><b>KSN33</b></p> 
<p><b>KNN32</b></p> 	<p><b>KSN44</b></p> 
<p><b>KNN43</b></p> 	<p><b>KSN55</b></p> 
<p><b>KNN54</b></p> 	<p><b>Detailed view connecting sleeve for KNN/KSN</b></p> 

Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

Connection image 80

80



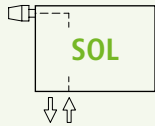
One-pipe connections downwards, on right

Convectors (KNN) Height 140–280 mm	Convectors with radiation shield (KSN) Height 140–280 mm
<p style="text-align: center;"><b>KNN21</b></p>	<p style="text-align: center;"><b>KSN22</b></p>
<p style="text-align: center;"><b>KNN22</b></p>	<p style="text-align: center;"><b>KSN33</b></p>
<p style="text-align: center;"><b>KNN32</b></p>	<p style="text-align: center;"><b>KSN44</b></p>
<p style="text-align: center;"><b>KNN43</b></p>	<p style="text-align: center;"><b>KSN55</b></p>
<p style="text-align: center;"><b>KNN54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNN/KSN</b></p>

Connection diameter standard 1/2".  
The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image SOL



Valve connections side by side, downwards, on left, internal flow

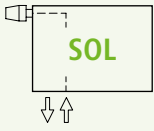
Convectors (KNV) Height 70 mm	Convectors with radiation shield (KSV) Height 70 mm
<p><b>KNV21</b></p>	<p><b>KSV22</b></p>
<p><b>KNV22</b></p>	<p><b>KSV33</b></p>
<p><b>KNV32</b></p>	<p><b>KSV44</b></p>
<p><b>KNV43</b></p>	<p><b>KSV55</b></p>
<p><b>KNV54</b></p>	<p><b>Detailed view connecting sleeve for KNV/KSV</b></p>

Hub distance = 50 mm

NA = hub distance, connection diameter standard 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

### Connection image SOL



Valve connections  
side by side, downwards,  
on left, internal flow

Convertors (KNV) Height 140–280 mm	Convertors with radiation shield (KSV) Height 140–280 mm
<p style="text-align: center;"><b>KNV21</b></p>	<p style="text-align: center;"><b>KSV22</b></p>
<p style="text-align: center;"><b>KNV22</b></p>	<p style="text-align: center;"><b>KSV33</b></p>
<p style="text-align: center;"><b>KNV32</b></p>	<p style="text-align: center;"><b>KSV44</b></p>
<p style="text-align: center;"><b>KNV43</b></p>	<p style="text-align: center;"><b>KSV55</b></p>
<p style="text-align: center;"><b>KNV54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNV/KSV</b></p>

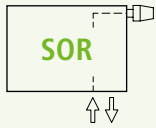
Hub distance =  
50 mm

NA = hub distance, connection diameter standard 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image SOR



Valve connections side by side, downwards on right, internal flow

Convectors (KNV) Height 70 mm	Convectors with radiation shield (KSV) Height 70 mm
<p style="text-align: center;"><b>KNV21</b></p>	<p style="text-align: center;"><b>KSV22</b></p>
<p style="text-align: center;"><b>KNV22</b></p>	<p style="text-align: center;"><b>KSV33</b></p>
<p style="text-align: center;"><b>KNV32</b></p>	<p style="text-align: center;"><b>KSV44</b></p>
<p style="text-align: center;"><b>KNV43</b></p>	<p style="text-align: center;"><b>KSV55</b></p>
<p style="text-align: center;"><b>KNV54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNV/KSV</b></p>

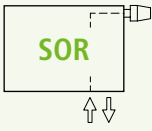
Hub distance =  
50 mm

NA = hub distance, connection diameter standard 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").



### Connection image SOR



Valve connections side by side, downwards on right, internal flow

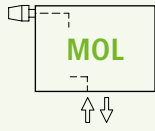
Convertors (KNV) Height 140–280 mm	Convertors with radiation shield (KSV) Height 140–280 mm
<b>KNV21</b> 	<b>KSV22</b> 
<b>KNV22</b> 	<b>KSV33</b> 
<b>KNV32</b> 	<b>KSV44</b> 
<b>KNV43</b> 	<b>KSV55</b> 
<b>KNV54</b> 	<b>Detailed view connecting sleeve for KNV/KSV</b> 

Hub distance = 50 mm

NA = hub distance, connection diameter standard 3/4".  
 The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Assignment connection image – Type

## Connection image MOL



Valve connections side by side downwards in centre, flow on left

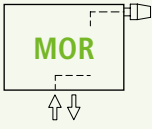
Convectors (KNV) Height 140–280 mm	Convectors with radiation shield (KSV) Height 140–280 mm
<p><b>KNV21</b></p>	<p><b>KSV22</b></p>
<p><b>KNV22</b></p>	<p><b>KSV33</b></p>
<p><b>KNV32</b></p>	<p><b>KSV44</b></p>
<p><b>KNV43</b></p>	<p><b>KSV55</b></p>
<p><b>KNV54</b></p>	<p><b>Detailed view connecting sleeve for KNV/KSV</b></p>

Hub distance = 50 mm

NA = hub distance, connection diameter standard 3/4".

The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

### Connection image MOR



Valve connections side by side downwards in centre, flow on left

Convertors (KNV) Height 140–280 mm	Convertors with radiation shield (KSV) Height 140–280 mm
<p style="text-align: center;"><b>KNV21</b></p>	<p style="text-align: center;"><b>KSV22</b></p>
<p style="text-align: center;"><b>KNV22</b></p>	<p style="text-align: center;"><b>KSV33</b></p>
<p style="text-align: center;"><b>KNV32</b></p>	<p style="text-align: center;"><b>KSV44</b></p>
<p style="text-align: center;"><b>KNV43</b></p>	<p style="text-align: center;"><b>KSV55</b></p>
<p style="text-align: center;"><b>KNV54</b></p>	<p style="text-align: center;"><b>Detailed view connecting sleeve for KNV/KSV</b></p>

Hub distance = 50 mm

NA = hub distance, connection diameter standard 3/4".  
 The recommended distances depend on the installation type (see page 106 "Distance from floor and wall").

# Ordering example

## Ordering example 1

Kermi convector  
Type 32  
Height 140 mm  
Length 1200 mm  
White  
Connection image 12  
6 bar with cover

**KNN32014120211K**

## Ordering example 2

Kermi valve convector with radiation shield  
Type 44  
Height 210 mm  
Length 1400  
RAL 9005 matt <sup>1</sup>  
Connection image 68  
10 bar without cover <sup>1</sup>

**KSV44021140x7xK**

### Attention:

<sup>1</sup> add required options  
as additional text

**KSV44021140x7xK** 1 pc  
- RAL 9005 matt  
- 10 bar without cover

## Kermi convector order

Model	Type	Height	Length *	Colour	Connection image**/Version	Special feature
<b>KNN = Convector</b>	Kermi KNN	007 = 70 mm	050 = 500 mm	Colour Range 2 = White (RAL 9016)	1 = Connection image 12	1 = 6 bar with cover
<b>KSN = Convector with radiation shield</b>	21	014 = 140 mm	060 = 600 mm		3 = Connection image 14	2 = 6 bar without cover
<b>KSV = Convector with radiation shield</b>	22	021 = 210 mm	070 = 700 mm	Option according to order text x =	4 = Connection image 32	Option according to order text x =
<b>KNV = Valve convector</b>	32	028 = 280 mm	080 = 800 mm		5 = Connection image 24	
<b>KSV = Valve convector with radiation shield</b>	43		090 = 900 mm	6 = Connection image 42		
	54		100 = 1000 mm	7 = Connection image 68		
	Kermi KNV		110 = 1100 mm	8 = Connection image 86		
	21		120 = 1200 mm	R = Valve on right		
	22		130 = 1300 mm	L = Valve on left		
	32		140 = 1400 mm	x = Option according to order text		
	43		150 = 1500 mm			
	54		160 = 1600 mm			
	Kermi KSN/KSV		170 = 1700 mm			
	22		180 = 1800 mm			
	33		190 = 1900 mm			
	44		200 = 2000 mm			
	55		220 = 2200 mm			
			240 = 2400 mm			
			260 = 2600 mm			
			280 = 2800 mm			
			300 = 3000 mm			
			320 = 3200 mm			
			340 = 3400 mm			
			360 = 3600 mm			
			380 = 3800 mm			
			400 = 4000 mm			
			420 = 4200 mm			
			440 = 4400 mm			
			460 = 4600 mm			
			480 = 4800 mm			
			500 = 5000 mm			
			520 = 5200 mm			
			540 = 5400 mm			
			560 = 5600 mm			
			580 = 5800 mm			
			600 = 6000 mm			
			x = Special length			

**Please note:**  
When placing order, specify options not listed as additional text.

\* Maximum possible lengths see pricing section starting on p. 64



# Prices Convectors

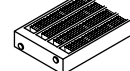
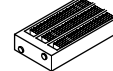
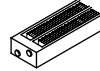
## Height 70 mm

**Please note:**

"x" optionally for

V = valve or

N = standard



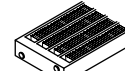
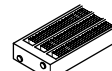
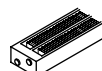
Type	KNx21		KNx22		KNx32		KNx43		KNx54	
	Without	With	Without	With	Without	With	Without	With	Without	With
Cover										
Radiator exponent	1.2371	1.2371	1.2301	1.2301	1.2168	1.2168	1.2246	1.2246	1.2094	1.2094
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	142.81	171.92	197.07	255.29	230.78	289.00	340.66	427.99	420.67	537.11
Surcharge per unit EUR	299.48	299.48	348.31	348.31	390.04	390.04	459.01	459.01	537.44	537.44
watts/m 75/65/20 °C	349	349	405	405	593	593	813	813	1025	1025

Length mm		Heat output in watts / room temperature 20 °C									
500	watts 75/65 °C	175	175	203	203	297	297	407	407	513	513
	70/55 °C	142	142	165	165	242	242	331	331	418	418
	Price EUR	370.89	385.44	446.85	475.96	505.43	534.54	629.34	673.01	747.78	806.00
600	watts 75/65 °C	209	209	243	243	356	356	488	488	615	615
	70/55 °C	169	169	197	197	290	290	396	396	501	501
	Price EUR	385.17	402.63	466.55	501.48	528.51	563.44	663.41	715.80	789.84	859.71
700	watts 75/65 °C	244	244	284	284	415	415	569	569	718	718
	70/55 °C	198	198	230	230	338	338	462	462	585	585
	Price EUR	399.45	419.82	486.26	527.01	551.59	592.34	697.47	758.60	831.91	913.42
800	watts 75/65 °C	279	279	324	324	474	474	650	650	820	820
	70/55 °C	226	226	263	263	386	386	528	528	668	668
	Price EUR	413.73	437.02	505.97	552.54	574.66	621.24	731.54	801.40	873.98	967.13
900	watts 75/65 °C	314	314	365	365	534	534	732	732	923	923
	70/55 °C	255	255	296	296	434	434	595	595	752	752
	Price EUR	428.01	454.21	525.67	578.07	597.74	650.14	765.60	844.20	916.04	1020.84
1000	watts 75/65 °C	349	349	405	405	593	593	813	813	1025	1025
	70/55 °C	283	283	329	329	482	482	660	660	835	835
	Price EUR	442.29	471.40	545.38	603.60	620.82	679.04	799.67	887.00	958.11	1074.55
1100	watts 75/65 °C	384	384	446	446	652	652	894	894	1128	1128
	70/55 °C	311	311	362	362	530	530	726	726	919	919
	Price EUR	456.57	488.59	565.09	629.13	643.90	707.94	833.74	929.80	1000.18	1128.26
1200	watts 75/65 °C	419	419	486	486	712	712	976	976	1230	1230
	70/55 °C	340	340	394	394	579	579	793	793	1002	1002
	Price EUR	470.85	505.78	584.79	654.66	666.98	736.84	867.80	972.60	1042.24	1181.97
1300	watts 75/65 °C	454	454	527	527	771	771	1057	1057	1333	1333
	70/55 °C	368	368	428	428	627	627	859	859	1086	1086
	Price EUR	485.13	522.98	604.50	680.19	690.05	765.74	901.87	1015.40	1084.31	1235.68
1400	watts 75/65 °C	489	489	567	567	830	830	1138	1138	1435	1435
	70/55 °C	396	396	460	460	675	675	924	924	1169	1169
	Price EUR	499.41	540.17	624.21	705.72	713.13	794.64	935.93	1058.20	1126.38	1289.39
1500	watts 75/65 °C	524	524	608	608	890	890	1220	1220	1538	1538
	70/55 °C	425	425	493	493	724	724	991	991	1253	1253
	Price EUR	513.70	557.36	643.92	731.25	736.21	823.54	970.00	1101.00	1168.45	1343.11
1600	watts 75/65 °C	558	558	648	648	949	949	1301	1301	1640	1640
	70/55 °C	452	452	526	526	772	772	1057	1057	1336	1336
	Price EUR	527.98	574.55	663.62	756.77	759.29	852.44	1004.07	1143.79	1210.51	1396.82
1700	watts 75/65 °C	593	593	689	689	1008	1008	1382	1382	1743	1743
	70/55 °C	481	481	559	559	820	820	1123	1123	1420	1420
	Price EUR	542.26	591.74	683.33	782.30	782.37	881.34	1038.13	1186.59	1252.58	1450.53
1800	watts 75/65 °C	628	628	729	729	1067	1067	1463	1463	1845	1845
	70/55 °C	509	509	592	592	868	868	1188	1188	1503	1503
	Price EUR	556.54	608.94	703.04	807.83	805.44	910.24	1072.20	1229.39	1294.65	1504.24
1900	watts 75/65 °C	663	663	770	770	1127	1127	1545	1545	1948	1948
	70/55 °C	537	537	625	625	917	917	1255	1255	1587	1587
	Price EUR	570.82	626.13	722.74	833.36	828.52	939.14	1106.26	1272.19	1336.71	1557.95
2000	watts 75/65 °C	698	698	810	810	1186	1186	1626	1626	2050	2050
	70/55 °C	566	566	657	657	965	965	1321	1321	1670	1670
	Price EUR	585.10	643.32	742.45	858.89	851.60	968.04	1140.33	1314.99	1378.78	1611.66
2200	watts 75/65 °C	768	768	891	891	1305	1305	1789	1789	2255	2255
	70/55 °C	623	623	723	723	1062	1062	1453	1453	1837	1837
	Price EUR	613.66	677.70	781.86	909.95	897.76	1025.84	1208.46	1400.59	1462.91	1719.08
2400	watts 75/65 °C	838	838	972	972	1423	1423	1951	1951	2460	2460
	70/55 °C	679	679	789	789	1158	1158	1585	1585	2004	2004
	Price EUR	642.22	712.09	821.28	961.01	943.91	1083.64	1276.59	1486.19	1547.05	1826.50

Please note: Additional charges for connection options / valve version and special versions, see page 17 – 19 and page 78.



Height 70 mm



Type	KNx21		KNx22		KNx32		KNx43		KNx54	
Cover	Without	With	Without	With	Without	With	Without	With	Without	With
Radiator exponent	1.2371	1.2371	1.2301	1.2301	1.2168	1.2168	1.2246	1.2246	1.2094	1.2094
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	142.81	171.92	197.07	255.29	230.78	289.00	340.66	427.99	420.67	537.11
Surcharge per unit EUR	299.48	299.48	348.31	348.31	390.04	390.04	459.01	459.01	537.44	537.44
watts/m 75/65/20 °C	349	349	405	405	593	593	813	813	1025	1025

Length mm		Heat output in watts / room temperature 20 °C									
2600	watts 75/65 °C	907	907	1053	1053	1542	1542	2114	2114	2665	2665
	70/55 °C	735	735	855	855	1254	1254	1717	1717	2171	2171
	Price EUR	670.79	746.47	860.69	1012.06	990.07	1141.44	1344.73	1571.78	1631.18	1933.93
2800	watts 75/65 °C	977	977	1134	1134	1660	1660	2276	2276	2870	2870
	70/55 °C	792	792	920	920	1350	1350	1849	1849	2338	2338
	Price EUR	699.35	780.86	900.11	1063.12	1036.22	1199.24	1412.86	1657.38	1715.32	2041.35
3000	watts 75/65 °C	1047	1047	1215	1215	1779	1779	2439	2439	3075	3075
	70/55 °C	849	849	986	986	1447	1447	1981	1981	2504	2504
	Price EUR	727.91	815.24	939.52	1114.18	1082.38	1257.04	1480.99	1742.98	1799.45	2148.77
3200	watts 75/65 °C	1117	1117	1296	1296	1898	1898	2602	2602	3280	3280
	70/55 °C	905	905	1052	1052	1544	1544	2114	2114	2671	2671
	Price EUR	756.47	849.62	978.93	1165.24	1128.54	1314.84	1549.12	1828.58	1883.58	2256.19
3400	watts 75/65 °C	1187	1187	1377	1377	2016	2016	2764	2764	3485	3485
	70/55 °C	962	962	1118	1118	1640	1640	2245	2245	2838	2838
	Price EUR	785.03	884.01	1018.35	1216.30	1174.69	1372.64	1617.25	1914.18	1967.72	2363.61
3600	watts 75/65 °C	1256	1256	1458	1458	2135	2135	2927	2927	3690	3690
	70/55 °C	1018	1018	1183	1183	1737	1737	2378	2378	3005	3005
	Price EUR	813.60	918.39	1057.76	1267.35	1220.85	1430.44	1685.39	1999.77	2051.85	2471.04
3800	watts 75/65 °C	1326	1326	1539	1539	2253	2253	3089	3089	3895	3895
	70/55 °C	1075	1075	1249	1249	1833	1833	2509	2509	3172	3172
	Price EUR	842.16	952.78	1097.18	1318.41	1267.00	1488.24	1753.52	2085.37	2135.99	2578.46
4000	watts 75/65 °C	1396	1396	1620	1620	2372	2372	3252	3252	4100	4100
	70/55 °C	1132	1132	1315	1315	1929	1929	2642	2642	3339	3339
	Price EUR	870.72	987.16	1136.59	1369.47	1313.16	1546.04	1821.65	2170.97	2220.12	2685.88
4200	watts 75/65 °C	1466	1466	1701	1701	2491	2491	3415	3415	4305	4305
	70/55 °C	1188	1188	1381	1381	2026	2026	2774	2774	3506	3506
	Price EUR	899.28	1021.54	1176.00	1420.53	1359.32	1603.84	1889.78	2256.57	2304.25	2793.30
4400	watts 75/65 °C	1536	1536	1782	1782	2609	2609	3577	3577	4510	4510
	70/55 °C	1245	1245	1446	1446	2122	2122	2906	2906	3673	3673
	Price EUR	927.84	1055.93	1215.42	1471.59	1405.47	1661.64	1957.91	2342.17	2388.39	2900.72
4600	watts 75/65 °C	1605	1605	1863	1863	2728	2728	3740	3740	4715	4715
	70/55 °C	1301	1301	1512	1512	2219	2219	3038	3038	3840	3840
	Price EUR	956.41	1090.31	1254.83	1522.64	1451.63	1719.44	2026.05	2427.76	2472.52	3008.15
4800	watts 75/65 °C	1675	1675	1944	1944	2846	2846	3902	3902	4920	4920
	70/55 °C	1358	1358	1578	1578	2315	2315	3170	3170	4007	4007
	Price EUR	984.97	1124.70	1294.25	1573.70	1497.78	1777.24	2094.18	2513.36	2556.66	3115.57
5000	watts 75/65 °C	1745	1745	2025	2025	2965	2965	4065	4065	5125	5125
	70/55 °C	1415	1415	1644	1644	2412	2412	3302	3302	4174	4174
	Price EUR	1013.53	1159.08	1333.66	1624.76	1543.94	1835.04	2162.31	2598.96	2640.79	3222.99
5200	watts 75/65 °C	1815	1815	2106	2106	3084	3084	4228	4228	5330	5330
	70/55 °C	1471	1471	1709	1709	2509	2509	3435	3435	4341	4341
	Price EUR	1042.09	1193.46	1373.07	1675.82	1590.10	1892.84	2230.44	2684.56	2724.92	3330.41
5400	watts 75/65 °C	1885	1885	2187	2187	3202	3202	4390	4390	5535	5535
	70/55 °C	1528	1528	1775	1775	2605	2605	3566	3566	4508	4508
	Price EUR	1070.65	1227.85	1412.49	1726.88	1636.25	1950.64	2298.57	2770.16	2809.06	3437.83
5600	watts 75/65 °C	1954	1954	2268	2268	3321	3321	4553	4553	5740	5740
	70/55 °C	1584	1584	1841	1841	2701	2701	3699	3699	4675	4675
	Price EUR	1099.22	1262.23	1451.90	1777.93	1682.41	2008.44	2366.71	2855.75	2893.19	3545.26
5800	watts 75/65 °C	2024	2024	2349	2349	3439	3439	4715	4715	5945	5945
	70/55 °C	1641	1641	1906	1906	2797	2797	3830	3830	4842	4842
	Price EUR	1127.78	1296.62	1491.32	1828.99	1728.56	2066.24	2434.84	2941.35	2977.33	3652.68
6000	watts 75/65 °C	2094	2094	2430	2430	3558	3558	4878	4878	6150	6150
	70/55 °C	1697	1697	1972	1972	2894	2894	3963	3963	5009	5009
	Price EUR	1156.34	1331.00	1530.73	1880.05	1774.72	2124.04	2502.97	3026.95	3061.46	3760.10

⊗ Products not available as valve convectors.



# Convectors

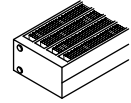
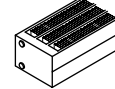
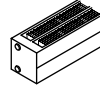
## Height 140 mm

**Please note:**

"x" optionally for

V = valve or

N = standard

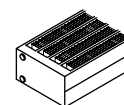
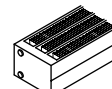
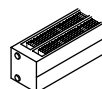


Type	KNx21		KNx22		KNx32		KNx43		KNx54	
	Without	With	Without	With	Without	With	Without	With	Without	With
Cover										
Radiator exponent	1.2952	1.2952	1.2696	1.2696	1.2938	1.2938	1.2885	1.2885	1.2866	1.2866
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	<b>247.74</b>	<b>276.85</b>	<b>404.22</b>	<b>462.44</b>	<b>478.05</b>	<b>536.27</b>	<b>655.31</b>	<b>742.64</b>	<b>882.49</b>	<b>998.93</b>
Surcharge per unit EUR	<b>374.61</b>	<b>374.61</b>	<b>411.14</b>	<b>411.14</b>	<b>442.77</b>	<b>442.77</b>	<b>533.85</b>	<b>533.85</b>	<b>636.27</b>	<b>636.27</b>
watts/m 75/65/20 °C	543	543	727	727	878	878	1185	1185	1486	1486

Length mm		Heat output in watts / room temperature 20 °C									
500	watts 75/65 °C	272	272	364	364	439	439	593	593	743	743
	70/55 °C	218	218	293	293	352	352	477	477	597	597
	Price EUR	<b>498.48</b>	<b>513.04</b>	<b>613.25</b>	<b>642.36</b>	<b>681.80</b>	<b>710.91</b>	<b>861.51</b>	<b>905.17</b>	<b>1077.52</b>	<b>1135.74</b>
600	watts 75/65 °C	326	326	436	436	527	527	711	711	892	892
	70/55 °C	262	262	351	351	423	423	571	571	717	717
	Price EUR	<b>523.25</b>	<b>540.72</b>	<b>653.67</b>	<b>688.60</b>	<b>729.60</b>	<b>764.53</b>	<b>927.04</b>	<b>979.43</b>	<b>1165.76</b>	<b>1235.63</b>
700	watts 75/65 °C	380	380	509	509	615	615	830	830	1040	1040
	70/55 °C	305	305	410	410	494	494	667	667	836	836
	Price EUR	<b>548.03</b>	<b>568.41</b>	<b>694.09</b>	<b>734.85</b>	<b>777.41</b>	<b>818.16</b>	<b>992.57</b>	<b>1053.70</b>	<b>1254.01</b>	<b>1335.52</b>
800	watts 75/65 °C	434	434	582	582	702	702	948	948	1189	1189
	70/55 °C	348	348	469	469	564	564	762	762	956	956
	Price EUR	<b>572.80</b>	<b>596.09</b>	<b>734.52</b>	<b>781.09</b>	<b>825.21</b>	<b>871.79</b>	<b>1058.10</b>	<b>1127.96</b>	<b>1342.26</b>	<b>1435.41</b>
900	watts 75/65 °C	489	489	654	654	790	790	1067	1067	1337	1337
	70/55 °C	393	393	527	527	634	634	857	857	1075	1075
	Price EUR	<b>597.58</b>	<b>623.78</b>	<b>774.94</b>	<b>827.34</b>	<b>873.02</b>	<b>925.41</b>	<b>1123.63</b>	<b>1202.23</b>	<b>1430.51</b>	<b>1535.31</b>
1000	watts 75/65 °C	543	543	727	727	878	878	1185	1185	1486	1486
	70/55 °C	436	436	586	586	705	705	952	952	1195	1195
	Price EUR	<b>622.35</b>	<b>651.46</b>	<b>815.36</b>	<b>873.58</b>	<b>920.82</b>	<b>979.04</b>	<b>1189.16</b>	<b>1276.49</b>	<b>1518.76</b>	<b>1635.20</b>
1100	watts 75/65 °C	597	597	800	800	966	966	1304	1304	1635	1635
	70/55 °C	479	479	645	645	776	776	1048	1048	1314	1314
	Price EUR	<b>647.12</b>	<b>679.15</b>	<b>855.78</b>	<b>919.82</b>	<b>968.63</b>	<b>1032.67</b>	<b>1254.69</b>	<b>1350.75</b>	<b>1607.01</b>	<b>1735.09</b>
1200	watts 75/65 °C	652	652	872	872	1054	1054	1422	1422	1783	1783
	70/55 °C	523	523	703	703	846	846	1143	1143	1433	1433
	Price EUR	<b>671.90</b>	<b>706.83</b>	<b>896.20</b>	<b>966.07</b>	<b>1016.43</b>	<b>1086.29</b>	<b>1320.22</b>	<b>1425.02</b>	<b>1695.26</b>	<b>1834.99</b>
1300	watts 75/65 °C	706	706	945	945	1141	1141	1541	1541	1932	1932
	70/55 °C	567	567	762	762	916	916	1238	1238	1553	1553
	Price EUR	<b>696.67</b>	<b>734.52</b>	<b>936.63</b>	<b>1012.31</b>	<b>1064.24</b>	<b>1139.92</b>	<b>1385.75</b>	<b>1499.28</b>	<b>1783.51</b>	<b>1934.88</b>
1400	watts 75/65 °C	760	760	1018	1018	1229	1229	1659	1659	2080	2080
	70/55 °C	610	610	821	821	987	987	1333	1333	1672	1672
	Price EUR	<b>721.45</b>	<b>762.20</b>	<b>977.05</b>	<b>1058.56</b>	<b>1112.04</b>	<b>1193.55</b>	<b>1451.28</b>	<b>1573.55</b>	<b>1871.76</b>	<b>2034.77</b>
1500	watts 75/65 °C	815	815	1091	1091	1317	1317	1778	1778	2229	2229
	70/55 °C	654	654	880	880	1057	1057	1429	1429	1792	1792
	Price EUR	<b>746.22</b>	<b>789.89</b>	<b>1017.47</b>	<b>1104.80</b>	<b>1159.85</b>	<b>1247.18</b>	<b>1516.82</b>	<b>1647.81</b>	<b>1960.01</b>	<b>2134.67</b>
1600	watts 75/65 °C	869	869	1163	1163	1405	1405	1896	1896	2378	2378
	70/55 °C	698	698	938	938	1128	1128	1524	1524	1912	1912
	Price EUR	<b>770.99</b>	<b>817.57</b>	<b>1057.89</b>	<b>1151.04</b>	<b>1207.65</b>	<b>1300.80</b>	<b>1582.35</b>	<b>1722.07</b>	<b>2048.25</b>	<b>2234.56</b>
1700	watts 75/65 °C	923	923	1236	1236	1493	1493	2015	2015	2526	2526
	70/55 °C	741	741	996	996	1199	1199	1619	1619	2031	2031
	Price EUR	<b>795.77</b>	<b>845.26</b>	<b>1098.31</b>	<b>1197.29</b>	<b>1255.46</b>	<b>1354.43</b>	<b>1647.88</b>	<b>1796.34</b>	<b>2136.50</b>	<b>2334.45</b>
1800	watts 75/65 °C	977	977	1309	1309	1580	1580	2133	2133	2675	2675
	70/55 °C	784	784	1055	1055	1269	1269	1714	1714	2150	2150
	Price EUR	<b>820.54</b>	<b>872.94</b>	<b>1138.74</b>	<b>1243.53</b>	<b>1303.26</b>	<b>1408.06</b>	<b>1713.41</b>	<b>1870.60</b>	<b>2224.75</b>	<b>2434.34</b>
1900	watts 75/65 °C	1032	1032	1381	1381	1668	1668	2252	2252	2823	2823
	70/55 °C	828	828	1113	1113	1339	1339	1810	1810	2269	2269
	Price EUR	<b>845.32</b>	<b>900.63</b>	<b>1179.16</b>	<b>1289.78</b>	<b>1351.07</b>	<b>1461.68</b>	<b>1778.94</b>	<b>1944.87</b>	<b>2313.00</b>	<b>2534.24</b>
2000	watts 75/65 °C	1086	1086	1454	1454	1756	1756	2370	2370	2972	2972
	70/55 °C	872	872	1172	1172	1410	1410	1905	1905	2389	2389
	Price EUR	<b>870.09</b>	<b>928.31</b>	<b>1219.58</b>	<b>1336.02</b>	<b>1398.87</b>	<b>1515.31</b>	<b>1844.47</b>	<b>2019.13</b>	<b>2401.25</b>	<b>2634.13</b>
2200	watts 75/65 °C	1195	1195	1599	1599	1932	1932	2607	2607	3269	3269
	70/55 °C	959	959	1289	1289	1551	1551	2095	2095	2628	2628
	Price EUR	<b>919.64</b>	<b>983.68</b>	<b>1300.42</b>	<b>1428.51</b>	<b>1494.48</b>	<b>1622.56</b>	<b>1975.53</b>	<b>2167.66</b>	<b>2577.75</b>	<b>2833.92</b>
2400	watts 75/65 °C	1303	1303	1745	1745	2107	2107	2844	2844	3566	3566
	70/55 °C	1046	1046	1407	1407	1692	1692	2285	2285	2867	2867
	Price EUR	<b>969.19</b>	<b>1039.05</b>	<b>1381.27</b>	<b>1521.00</b>	<b>1590.09</b>	<b>1729.82</b>	<b>2106.59</b>	<b>2316.19</b>	<b>2754.25</b>	<b>3033.70</b>

Please note: Additional charges for connection options / valve version and special versions, see page 17 – 19 and page 78.

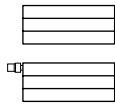
Height 140 mm



Type	KNx21		KNx22		KNx32		KNx43		KNx54	
	Without	With	Without	With	Without	With	Without	With	Without	With
Cover										
Radiator exponent	1.2952	1.2952	1.2696	1.2696	1.2938	1.2938	1.2885	1.2885	1.2866	1.2866
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	247.74	276.85	404.22	462.44	478.05	536.27	655.31	742.64	882.49	998.93
Surcharge per unit EUR	374.61	374.61	411.14	411.14	442.77	442.77	533.85	533.85	636.27	636.27
watts/m 75/65/20 °C	543	543	727	727	878	878	1185	1185	1486	1486

Length mm		Heat output in watts / room temperature 20 °C									
2600	watts 75/65 °C	1412	1412	1890	1890	2283	2283	3081	3081	3864	3864
	70/55 °C	1133	1133	1524	1524	1833	1833	2476	2476	3106	3106
	Price EUR	1018.73	1094.42	1462.11	1613.48	1685.70	1837.07	2237.66	2464.71	2930.74	3233.49
2800	watts 75/65 °C	1520	1520	2036	2036	2458	2458	3318	3318	4161	4161
	70/55 °C	1220	1220	1641	1641	1973	1973	2666	2666	3345	3345
	Price EUR	1068.28	1149.79	1542.96	1705.97	1781.31	1944.33	2368.72	2613.24	3107.24	3433.27
3000	watts 75/65 °C	1629	1629	2181	2181	2634	2634	3555	3555	4458	4458
	70/55 °C	1308	1308	1758	1758	2115	2115	2857	2857	3584	3584
	Price EUR	1117.83	1205.16	1623.80	1798.46	1876.92	2051.58	2499.78	2761.77	3283.74	3633.06
3200	watts 75/65 °C	1738	1738	2326	2326	2810	2810	3792	3792	4755	4755
	70/55 °C	1395	1395	1875	1875	2256	2256	3047	3047	3822	3822
	Price EUR	1167.38	1260.53	1704.64	1890.95	1972.53	2158.83	2630.84	2910.30	3460.24	3832.85
3400	watts 75/65 °C	1846	1846	2472	2472	2985	2985	4029	4029	5052	5052
	70/55 °C	1482	1482	1993	1993	2397	2397	3238	3238	4061	4061
	Price EUR	1216.93	1315.90	1785.49	1983.44	2068.14	2266.09	2761.90	3058.83	3636.74	4032.63
3600	watts 75/65 °C	1955	1955	2617	2617	3161	3161	4266	4266	5350	5350
	70/55 °C	1569	1569	2110	2110	2538	2538	3428	3428	4301	4301
	Price EUR	1266.47	1371.27	1866.33	2075.92	2163.75	2373.34	2892.97	3207.35	3813.23	4232.42
3800	watts 75/65 °C	2063	2063	2763	2763	3336	3336	4503	4503	5647	5647
	70/55 °C	1656	1656	2227	2227	2678	2678	3619	3619	4539	4539
	Price EUR	1316.02	1426.64	1947.18	2168.41	2259.36	2480.60	3024.03	3355.88	3989.73	4432.20
4000	watts 75/65 °C	2172	2172	2908	2908	3512	3512	4740	4740	5944	5944
	70/55 °C	1743	1743	2344	2344	2820	2820	3809	3809	4778	4778
	Price EUR	1365.57	1482.01	2028.02	2260.90	2354.97	2587.85	3155.09	3504.41	4166.23	4631.99
4200	watts 75/65 °C	2281	2281	3053	3053	3688	3688	4977	4977	6241	6241
	70/55 °C	1831	1831	2461	2461	2961	2961	4000	4000	5017	5017
	Price EUR	1415.12	1537.38	2108.86	2353.39	2450.58	2695.10	3286.15	3652.94	4342.73	4831.78
4400	watts 75/65 °C	2389	2389	3199	3199	3863	3863	5214	5214	6538	6538
	70/55 °C	1918	1918	2579	2579	3102	3102	4190	4190	5256	5256
	Price EUR	1464.67	1592.75	2189.71	2445.88	2546.19	2802.36	3417.21	3801.47	4519.23	5031.56
4600	watts 75/65 °C	2498	2498	3344	3344	4039	4039	5451	5451	6836	6836
	70/55 °C	2005	2005	2696	2696	3243	3243	4380	4380	5495	5495
	Price EUR	1514.21	1648.12	2270.55	2538.36	2641.80	2909.61	3548.28	3949.99	4695.72	5231.35
4800	watts 75/65 °C	2606	2606	3490	3490	4214	4214	5688	5688	7133	7133
	70/55 °C	2092	2092	2814	2814	3383	3383	4571	4571	5734	5734
	Price EUR	1563.76	1703.49	2351.40	2630.85	2737.41	3016.87	3679.34	4098.52	4872.22	5431.13
5000	watts 75/65 °C	2715	2715	3635	3635	4390	4390	5925	5925	7430	7430
	70/55 °C	2179	2179	2930	2930	3525	3525	4761	4761	5973	5973
	Price EUR	1613.31	1758.86	2432.24	2723.34	2833.02	3124.12	3810.40	4247.05	5048.72	5630.92
5200	watts 75/65 °C	2824	2824	3780	3780	4566	4566	6162	6162	7727	7727
	70/55 °C	2267	2267	3047	3047	3666	3666	4952	4952	6211	6211
	Price EUR	1662.86	1814.23	2513.08	2815.83	2928.63	3231.37	3941.46	4395.58	5225.22	5830.71
5400	watts 75/65 °C	2932	2932	3926	3926	4741	4741	6399	6399	8024	8024
	70/55 °C	2353	2353	3165	3165	3806	3806	5142	5142	6450	6450
	Price EUR	1712.41	1869.60	2593.93	2908.32	3024.24	3338.63	4072.52	4544.11	5401.72	6030.49
5600	watts 75/65 °C	3041	3041	4071	4071	4917	4917	6636	6636	8322	8322
	70/55 °C	2441	2441	3282	3282	3948	3948	5333	5333	6690	6690
	Price EUR	1761.95	1924.97	2674.77	3000.80	3119.85	3445.88	4203.59	4692.63	5578.21	6230.28
5800	watts 75/65 °C	3149	3149	4217	4217	5092	5092	6873	6873	8619	8619
	70/55 °C	2528	2528	3400	3400	4088	4088	5523	5523	6928	6928
	Price EUR	1811.50	1980.34	2755.62	3093.29	3215.46	3553.14	4334.65	4841.16	5754.71	6430.06
6000	watts 75/65 °C	3258	3258	4362	4362	5268	5268	7110	7110	8916	8916
	70/55 °C	2615	2615	3517	3517	4230	4230	5714	5714	7167	7167
	Price EUR	1861.05	2035.71	2836.46	3185.78	3311.07	3660.39	4465.71	4989.69	5931.21	6629.85

⊗ Products not available as valve convectors.



# Convectors

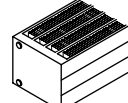
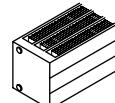
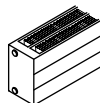
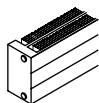
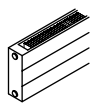
## Height 210 mm

**Please note:**

"x" optionally for

V = valve or

N = standard



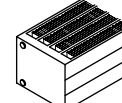
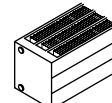
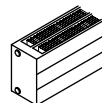
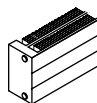
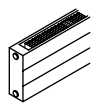
Type	KNx21		KNx22		KNx32		KNx43		KNx54	
Cover	Without	With	Without	With	Without	With	Without	With	Without	With
Radiator exponent	1.3532	1.3532	1.3091	1.3091	1.3708	1.3708	1.3524	1.3524	1.3637	1.3637
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	<b>315.45</b>	<b>344.56</b>	<b>449.22</b>	<b>507.44</b>	<b>538.25</b>	<b>596.47</b>	<b>782.90</b>	<b>870.23</b>	<b>1024.51</b>	<b>1140.95</b>
Surcharge per unit EUR	<b>446.92</b>	<b>446.92</b>	<b>470.85</b>	<b>470.85</b>	<b>494.76</b>	<b>494.76</b>	<b>616.48</b>	<b>616.48</b>	<b>721.47</b>	<b>721.47</b>
watts/m 75/65/20 °C	691	691	977	977	1127	1127	1640	1640	2092	2092

Length mm		Heat output in watts / room temperature 20 °C									
500	watts 75/65 °C	346	346	489	489	564	564	820	820	1046	1046
	70/55 °C	275	275	392	392	447	447	652	652	830	830
	Price EUR	<b>604.65</b>	<b>619.20</b>	<b>695.46</b>	<b>724.57</b>	<b>763.89</b>	<b>793.00</b>	<b>1007.93</b>	<b>1051.60</b>	<b>1233.73</b>	<b>1291.95</b>
600	watts 75/65 °C	415	415	586	586	676	676	984	984	1255	1255
	70/55 °C	330	330	469	469	536	536	782	782	996	996
	Price EUR	<b>636.19</b>	<b>653.66</b>	<b>740.38</b>	<b>775.31</b>	<b>817.71</b>	<b>852.64</b>	<b>1086.22</b>	<b>1138.62</b>	<b>1336.18</b>	<b>1406.04</b>
700	watts 75/65 °C	484	484	684	684	789	789	1148	1148	1464	1464
	70/55 °C	385	385	548	548	625	625	913	913	1162	1162
	Price EUR	<b>667.74</b>	<b>688.11</b>	<b>785.30</b>	<b>826.06</b>	<b>871.54</b>	<b>912.29</b>	<b>1164.51</b>	<b>1225.64</b>	<b>1438.63</b>	<b>1520.14</b>
800	watts 75/65 °C	553	553	782	782	902	902	1312	1312	1674	1674
	70/55 °C	440	440	626	626	715	715	1043	1043	1328	1328
	Price EUR	<b>699.28</b>	<b>722.57</b>	<b>830.23</b>	<b>876.80</b>	<b>925.36</b>	<b>971.94</b>	<b>1242.80</b>	<b>1312.66</b>	<b>1541.08</b>	<b>1634.23</b>
900	watts 75/65 °C	622	622	879	879	1014	1014	1476	1476	1883	1883
	70/55 °C	494	494	704	704	804	804	1173	1173	1494	1494
	Price EUR	<b>730.83</b>	<b>757.02</b>	<b>875.15</b>	<b>927.55</b>	<b>979.19</b>	<b>1031.58</b>	<b>1321.09</b>	<b>1399.69</b>	<b>1643.53</b>	<b>1748.33</b>
1000	watts 75/65 °C	691	691	977	977	1127	1127	1640	1640	2092	2092
	70/55 °C	549	549	782	782	893	893	1304	1304	1660	1660
	Price EUR	<b>762.37</b>	<b>791.48</b>	<b>920.07</b>	<b>978.29</b>	<b>1033.01</b>	<b>1091.23</b>	<b>1399.38</b>	<b>1486.71</b>	<b>1745.98</b>	<b>1862.42</b>
1100	watts 75/65 °C	760	760	1075	1075	1240	1240	1804	1804	2301	2301
	70/55 °C	604	604	861	861	983	983	1434	1434	1826	1826
	Price EUR	<b>793.92</b>	<b>825.94</b>	<b>964.99</b>	<b>1029.03</b>	<b>1086.84</b>	<b>1150.88</b>	<b>1477.67</b>	<b>1573.73</b>	<b>1848.43</b>	<b>1976.52</b>
1200	watts 75/65 °C	829	829	1172	1172	1352	1352	1968	1968	2510	2510
	70/55 °C	659	659	939	939	1071	1071	1564	1564	1991	1991
	Price EUR	<b>825.46</b>	<b>860.39</b>	<b>1009.91</b>	<b>1079.78</b>	<b>1140.66</b>	<b>1210.52</b>	<b>1555.96</b>	<b>1660.76</b>	<b>1950.88</b>	<b>2090.61</b>
1300	watts 75/65 °C	898	898	1270	1270	1465	1465	2132	2132	2720	2720
	70/55 °C	714	714	1017	1017	1161	1161	1695	1695	2158	2158
	Price EUR	<b>857.01</b>	<b>894.85</b>	<b>1054.84</b>	<b>1130.52</b>	<b>1194.49</b>	<b>1270.17</b>	<b>1634.25</b>	<b>1747.78</b>	<b>2053.33</b>	<b>2204.71</b>
1400	watts 75/65 °C	967	967	1368	1368	1578	1578	2296	2296	2929	2929
	70/55 °C	769	769	1095	1095	1250	1250	1825	1825	2324	2324
	Price EUR	<b>888.55</b>	<b>929.30</b>	<b>1099.76</b>	<b>1181.27</b>	<b>1248.31</b>	<b>1329.82</b>	<b>1712.54</b>	<b>1834.80</b>	<b>2155.78</b>	<b>2318.80</b>
1500	watts 75/65 °C	1037	1037	1466	1466	1691	1691	2460	2460	3138	3138
	70/55 °C	824	824	1174	1174	1340	1340	1956	1956	2490	2490
	Price EUR	<b>920.10</b>	<b>963.76</b>	<b>1144.68</b>	<b>1232.01</b>	<b>1302.14</b>	<b>1389.47</b>	<b>1790.83</b>	<b>1921.83</b>	<b>2258.24</b>	<b>2432.90</b>
1600	watts 75/65 °C	1106	1106	1563	1563	1803	1803	2624	2624	3347	3347
	70/55 °C	879	879	1252	1252	1429	1429	2086	2086	2656	2656
	Price EUR	<b>951.64</b>	<b>998.22</b>	<b>1189.60</b>	<b>1282.75</b>	<b>1355.96</b>	<b>1449.11</b>	<b>1869.12</b>	<b>2008.85</b>	<b>2360.69</b>	<b>2546.99</b>
1700	watts 75/65 °C	1175	1175	1661	1661	1916	1916	2788	2788	3556	3556
	70/55 °C	934	934	1330	1330	1518	1518	2216	2216	2821	2821
	Price EUR	<b>983.19</b>	<b>1032.67</b>	<b>1234.52</b>	<b>1333.50</b>	<b>1409.79</b>	<b>1508.76</b>	<b>1947.41</b>	<b>2095.87</b>	<b>2463.14</b>	<b>2661.09</b>
1800	watts 75/65 °C	1244	1244	1759	1759	2029	2029	2952	2952	3766	3766
	70/55 °C	989	989	1409	1409	1608	1608	2347	2347	2988	2988
	Price EUR	<b>1014.73</b>	<b>1067.13</b>	<b>1279.45</b>	<b>1384.24</b>	<b>1463.61</b>	<b>1568.41</b>	<b>2025.70</b>	<b>2182.89</b>	<b>2565.59</b>	<b>2775.18</b>
1900	watts 75/65 °C	1313	1313	1856	1856	2141	2141	3116	3116	3975	3975
	70/55 °C	1044	1044	1486	1486	1697	1697	2477	2477	3154	3154
	Price EUR	<b>1046.28</b>	<b>1101.58</b>	<b>1324.37</b>	<b>1434.99</b>	<b>1517.44</b>	<b>1628.05</b>	<b>2103.99</b>	<b>2269.92</b>	<b>2668.04</b>	<b>2889.28</b>
2000	watts 75/65 °C	1382	1382	1954	1954	2254	2254	3280	3280	4184	4184
	70/55 °C	1098	1098	1565	1565	1786	1786	2607	2607	3320	3320
	Price EUR	<b>1077.82</b>	<b>1136.04</b>	<b>1369.29</b>	<b>1485.73</b>	<b>1571.26</b>	<b>1687.70</b>	<b>2182.28</b>	<b>2356.94</b>	<b>2770.49</b>	<b>3003.37</b>
2200	watts 75/65 °C	1520	1520	2149	2149	2479	2479	3608	3608	4602	4602
	70/55 °C	1208	1208	1721	1721	1965	1965	2868	2868	3651	3651
	Price EUR	<b>1140.91</b>	<b>1204.95</b>	<b>1459.13</b>	<b>1587.22</b>	<b>1678.91</b>	<b>1806.99</b>	<b>2338.86</b>	<b>2530.99</b>	<b>2975.39</b>	<b>3231.56</b>
2400	watts 75/65 °C	1658	1658	2345	2345	2705	2705	3936	3936	5021	5021
	70/55 °C	1318	1318	1878	1878	2144	2144	3129	3129	3984	3984
	Price EUR	<b>1204.00</b>	<b>1273.86</b>	<b>1548.98</b>	<b>1688.71</b>	<b>1786.56</b>	<b>1926.29</b>	<b>2495.44</b>	<b>2705.03</b>	<b>3180.29</b>	<b>3459.75</b>

Please note: Additional charges for connection options / valve version and special versions, see page 17 – 19 and page 78.

Height 210 mm  
Lengths 500–6000 mm

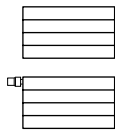
Height 210 mm



Type	KNx21		KNx22		KNx32		KNx43		KNx54		
Cover	Without	With	Without	With	Without	With	Without	With	Without	With	
Radiator exponent	1.3532	1.3532	1.3091	1.3091	1.3708	1.3708	1.3524	1.3524	1.3637	1.3637	
Depth mm	72	72	122	122	133	133	194	194	255	255	
Price/m EUR	315.45	344.56	449.22	507.44	538.25	596.47	782.90	870.23	1024.51	1140.95	
Surcharge per unit EUR	446.92	446.92	470.85	470.85	494.76	494.76	616.48	616.48	721.47	721.47	
watts/m 75/65/20 °C	691	691	977	977	1127	1127	1640	1640	2092	2092	
Length mm		Heat output in watts / room temperature 20 °C									
2600	watts 75/65 °C	1797	1797	2540	2540	2930	2930	4264	4264	5439	5439
	70/55 °C	1428	1428	2034	2034	2322	2322	3390	3390	4315	4315
2800	Price EUR	1267.09	1342.78	1638.82	1790.19	1894.21	2045.58	2652.02	2879.08	3385.20	3687.94
	watts 75/65 °C	1935	1935	2736	2736	3156	3156	4592	4592	5858	5858
3000	70/55 °C	1538	1538	2191	2191	2501	2501	3650	3650	4648	4648
	Price EUR	1330.18	1411.69	1728.67	1891.68	2001.86	2164.88	2808.60	3053.12	3590.10	3916.13
3200	watts 75/65 °C	2073	2073	2931	2931	3381	3381	4920	4920	6276	6276
	70/55 °C	1648	1648	2347	2347	2679	2679	3911	3911	4979	4979
3400	Price EUR	1393.27	1480.60	1818.51	1993.17	2109.51	2284.17	2965.18	3227.17	3795.00	4144.32
	watts 75/65 °C	2211	2211	3126	3126	3606	3606	5248	5248	6694	6694
3600	70/55 °C	1757	1757	2503	2503	2858	2858	4172	4172	5311	5311
	Price EUR	1456.36	1549.51	1908.35	2094.66	2217.16	2403.46	3121.76	3401.22	3999.90	4372.51
3800	watts 75/65 °C	2349	2349	3322	3322	3832	3832	5576	5576	7113	7113
	70/55 °C	1867	1867	2660	2660	3037	3037	4433	4433	5644	5644
4000	Price EUR	1519.45	1618.42	1998.20	2196.15	2324.81	2522.76	3278.34	3575.26	4204.80	4600.70
	watts 75/65 °C	2488	2488	3517	3517	4057	4057	5904	5904	7531	7531
4200	70/55 °C	1978	1978	2816	2816	3215	3215	4693	4693	5975	5975
	Price EUR	1582.54	1687.34	2088.04	2297.63	2432.46	2642.05	3434.92	3749.31	4409.71	4828.89
4400	watts 75/65 °C	2626	2626	3713	3713	4283	4283	6232	6232	7950	7950
	70/55 °C	2087	2087	2973	2973	3394	3394	4954	4954	6308	6308
4600	Price EUR	1645.63	1756.25	2177.89	2399.12	2540.11	2761.35	3591.50	3923.35	4614.61	5057.08
	watts 75/65 °C	2764	2764	3908	3908	4508	4508	6560	6560	8368	8368
4800	70/55 °C	2197	2197	3130	3130	3572	3572	5215	5215	6639	6639
	Price EUR	1708.72	1825.16	2267.73	2500.61	2647.76	2880.64	3748.08	4097.40	4819.51	5285.27
5000	watts 75/65 °C	2902	2902	4103	4103	4733	4733	6888	6888	8786	8786
	70/55 °C	2307	2307	3286	3286	3751	3751	5476	5476	6971	6971
5200	Price EUR	1771.81	1894.07	2357.57	2602.10	2755.41	2999.93	3904.66	4271.45	5024.41	5513.46
	watts 75/65 °C	3040	3040	4299	4299	4959	4959	7216	7216	9205	9205
5400	70/55 °C	2416	2416	3443	3443	3930	3930	5736	5736	7303	7303
	Price EUR	1834.90	1962.98	2447.42	2703.59	2863.06	3119.23	4061.24	4445.49	5229.31	5741.65
5600	watts 75/65 °C	3179	3179	4494	4494	5184	5184	7544	7544	9623	9623
	70/55 °C	2527	2527	3599	3599	4108	4108	5997	5997	7635	7635
5800	Price EUR	1897.99	2031.90	2537.26	2805.07	2970.71	3238.52	4217.82	4619.54	5434.22	5969.84
	watts 75/65 °C	3317	3317	4690	4690	5410	5410	7872	7872	10042	10042
6000	70/55 °C	2636	2636	3756	3756	4287	4287	6258	6258	7967	7967
	Price EUR	1961.08	2100.81	2627.11	2906.56	3078.36	3357.82	4374.40	4793.58	5639.12	6198.03
5000	watts 75/65 °C	3455	3455	4885	4885	5635	5635	8200	8200	10460	10460
	70/55 °C	2746	2746	3912	3912	4465	4465	6518	6518	8299	8299
5200	Price EUR	2024.17	2169.72	2716.95	3008.05	3186.01	3477.11	4530.98	4967.63	5844.02	6426.22
	watts 75/65 °C	3593	3593	5080	5080	5860	5860	8528	8528		
5400	70/55 °C	2856	2856	4068	4068	4644	4644	6779	6779		
	Price EUR	2087.26	2238.63	2806.79	3109.54	3293.66	3596.40	4687.56	5141.68		
5600	watts 75/65 °C	3731	3731	5276	5276	6086	6086	8856	8856		
	70/55 °C	2966	2966	4225	4225	4823	4823	7040	7040		
5800	Price EUR	2150.35	2307.54	2896.64	3211.03	3401.31	3715.70	4844.14	5315.72		
	watts 75/65 °C	3870	3870	5471	5471	6311	6311	9184	9184		
6000	70/55 °C	3076	3076	4381	4381	5001	5001	7301	7301		
	Price EUR	2213.44	2376.46	2986.48	3312.51	3508.96	3834.99	5000.72	5489.77		
5800	watts 75/65 °C	4008	4008	5667	5667	6537	6537	9512	9512		
	70/55 °C	3186	3186	4538	4538	5180	5180	7561	7561		
6000	Price EUR	2276.53	2445.37	3076.33	3414.00	3616.61	3954.29	5157.30	5663.81		
	watts 75/65 °C	4146	4146	5862	5862	6762	6762	9840	9840		
6000	70/55 °C	3295	3295	4694	4694	5359	5359	7822	7822		
	Price EUR	2339.62	2514.28	3166.17	3515.49	3724.26	4073.58	5313.88	5837.86		

Please note: Convector that are not listed are available on request.

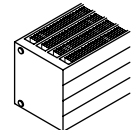
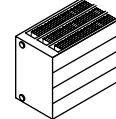
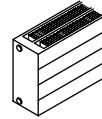
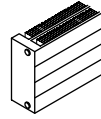
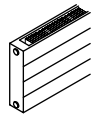
⊗ Products not available as valve convectors.



# Convectors

## Height 280 mm

**Please note:**  
 "x" optionally for  
 V = valve or  
 N = standard



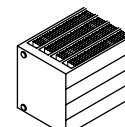
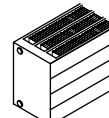
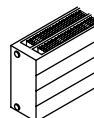
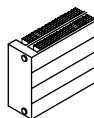
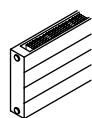
Type	KNx21		KNx22		KNx32		KNx43		KNx54	
	Without	With	Without	With	Without	With	Without	With	Without	With
Cover										
Radiator exponent	1.3518	1.3518	1.3361	1.3361	1.3912	1.3912	1.3953	1.3953	1.4107	1.4107
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	404.45	433.56	578.38	636.60	695.93	754.15	1007.80	1095.13	1330.15	1446.59
Surcharge per unit EUR	525.64	525.64	537.44	537.44	553.42	553.42	700.06	700.06	818.43	818.43
watts/m 75/65/20 °C	809	809	1154	1154	1363	1363	1884	1884	2395	2395

Length mm		Heat output in watts / room temperature 20 °C									
500	watts 75/65 °C	405	405	577	577	682	682	942	942	1198	1198
	70/55 °C	322	322	460	460	539	539	743	743	943	943
	Price EUR	<b>727.87</b>	<b>742.42</b>	<b>826.63</b>	<b>855.74</b>	<b>901.39</b>	<b>930.50</b>	<b>1203.96</b>	<b>1247.63</b>	<b>1483.51</b>	<b>1541.73</b>
600	watts 75/65 °C	485	485	692	692	818	818	1130	1130	1437	1437
	70/55 °C	386	386	552	552	646	646	892	892	1131	1131
	Price EUR	<b>768.31</b>	<b>785.78</b>	<b>884.47</b>	<b>919.40</b>	<b>970.98</b>	<b>1005.91</b>	<b>1304.74</b>	<b>1357.14</b>	<b>1616.52</b>	<b>1686.38</b>
700	watts 75/65 °C	566	566	808	808	954	954	1319	1319	1677	1677
	70/55 °C	450	450	644	644	753	753	1041	1041	1320	1320
	Price EUR	<b>808.76</b>	<b>829.13</b>	<b>942.31</b>	<b>983.06</b>	<b>1040.57</b>	<b>1081.33</b>	<b>1405.52</b>	<b>1466.65</b>	<b>1749.54</b>	<b>1831.04</b>
800	watts 75/65 °C	647	647	923	923	1090	1090	1507	1507	1916	1916
	70/55 °C	514	514	736	736	861	861	1189	1189	1508	1508
	Price EUR	<b>849.20</b>	<b>872.49</b>	<b>1000.14</b>	<b>1046.72</b>	<b>1110.16</b>	<b>1156.74</b>	<b>1506.30</b>	<b>1576.16</b>	<b>1882.55</b>	<b>1975.70</b>
900	watts 75/65 °C	728	728	1039	1039	1227	1227	1696	1696	2156	2156
	70/55 °C	579	579	828	828	969	969	1338	1338	1697	1697
	Price EUR	<b>889.65</b>	<b>915.84</b>	<b>1057.98</b>	<b>1110.38</b>	<b>1179.76</b>	<b>1232.16</b>	<b>1607.08</b>	<b>1685.68</b>	<b>2015.57</b>	<b>2120.36</b>
1000	watts 75/65 °C	809	809	1154	1154	1363	1363	1884	1884	2395	2395
	70/55 °C	643	643	920	920	1076	1076	1487	1487	1885	1885
	Price EUR	<b>930.09</b>	<b>959.20</b>	<b>1115.82</b>	<b>1174.04</b>	<b>1249.35</b>	<b>1307.57</b>	<b>1707.86</b>	<b>1795.19</b>	<b>2148.58</b>	<b>2265.02</b>
1100	watts 75/65 °C	890	890	1269	1269	1499	1499	2072	2072	2635	2635
	70/55 °C	708	708	1012	1012	1184	1184	1635	1635	2074	2074
	Price EUR	<b>970.54</b>	<b>1002.56</b>	<b>1173.66</b>	<b>1237.70</b>	<b>1318.94</b>	<b>1382.99</b>	<b>1808.64</b>	<b>1904.70</b>	<b>2281.60</b>	<b>2409.68</b>
1200	watts 75/65 °C	971	971	1385	1385	1636	1636	2261	2261	2874	2874
	70/55 °C	772	772	1104	1104	1292	1292	1784	1784	2262	2262
	Price EUR	<b>1010.98</b>	<b>1045.91</b>	<b>1231.50</b>	<b>1301.36</b>	<b>1388.54</b>	<b>1458.40</b>	<b>1909.42</b>	<b>2014.22</b>	<b>2414.61</b>	<b>2554.34</b>
1300	watts 75/65 °C	1052	1052	1500	1500	1772	1772	2449	2449	3114	3114
	70/55 °C	836	836	1196	1196	1399	1399	1933	1933	2451	2451
	Price EUR	<b>1051.43</b>	<b>1089.27</b>	<b>1289.33</b>	<b>1365.02</b>	<b>1458.13</b>	<b>1533.82</b>	<b>2010.20</b>	<b>2123.73</b>	<b>2547.63</b>	<b>2699.00</b>
1400	watts 75/65 °C	1133	1133	1616	1616	1908	1908	2638	2638	3353	3353
	70/55 °C	901	901	1288	1288	1507	1507	2082	2082	2639	2639
	Price EUR	<b>1091.87</b>	<b>1132.62</b>	<b>1347.17</b>	<b>1428.68</b>	<b>1527.72</b>	<b>1609.23</b>	<b>2110.98</b>	<b>2233.24</b>	<b>2680.64</b>	<b>2843.66</b>
1500	watts 75/65 °C	1214	1214	1731	1731	2045	2045	2826	2826	3593	3593
	70/55 °C	965	965	1380	1380	1615	1615	2230	2230	2828	2828
	Price EUR	<b>1132.32</b>	<b>1175.98</b>	<b>1405.01</b>	<b>1492.34</b>	<b>1597.32</b>	<b>1684.65</b>	<b>2211.76</b>	<b>2342.76</b>	<b>2813.66</b>	<b>2988.32</b>
1600	watts 75/65 °C	1294	1294	1846	1846	2181	2181	3014	3014	3832	3832
	70/55 °C	1029	1029	1472	1472	1722	1722	2379	2379	3016	3016
	Price EUR	<b>1172.76</b>	<b>1219.34</b>	<b>1462.85</b>	<b>1556.00</b>	<b>1666.91</b>	<b>1760.06</b>	<b>2312.54</b>	<b>2452.27</b>	<b>2946.67</b>	<b>3132.97</b>
1700	watts 75/65 °C	1375	1375	1962	1962	2317	2317	3203	3203	4072	4072
	70/55 °C	1093	1093	1564	1564	1830	1830	2528	2528	3205	3205
	Price EUR	<b>1213.21</b>	<b>1262.69</b>	<b>1520.69</b>	<b>1619.66</b>	<b>1736.50</b>	<b>1835.48</b>	<b>2413.32</b>	<b>2561.78</b>	<b>3079.69</b>	<b>3277.63</b>
1800	watts 75/65 °C	1456	1456	2077	2077	2453	2453	3391	3391	4311	4311
	70/55 °C	1158	1158	1656	1656	1937	1937	2676	2676	3393	3393
	Price EUR	<b>1253.65</b>	<b>1306.05</b>	<b>1578.52</b>	<b>1683.32</b>	<b>1806.09</b>	<b>1910.89</b>	<b>2514.10</b>	<b>2671.29</b>	<b>3212.70</b>	<b>3422.29</b>
1900	watts 75/65 °C	1537	1537	2193	2193	2590	2590	3580	3580	4551	4551
	70/55 °C	1222	1222	1748	1748	2045	2045	2825	2825	3582	3582
	Price EUR	<b>1294.10</b>	<b>1349.40</b>	<b>1636.36</b>	<b>1746.98</b>	<b>1875.69</b>	<b>1986.31</b>	<b>2614.88</b>	<b>2780.81</b>	<b>3345.72</b>	<b>3566.95</b>
2000	watts 75/65 °C	1618	1618	2308	2308	2726	2726	3768	3768	4790	4790
	70/55 °C	1286	1286	1840	1840	2153	2153	2974	2974	3770	3770
	Price EUR	<b>1334.54</b>	<b>1392.76</b>	<b>1694.20</b>	<b>1810.64</b>	<b>1945.28</b>	<b>2061.72</b>	<b>2715.66</b>	<b>2890.32</b>	<b>3478.73</b>	<b>3711.61</b>
2200	watts 75/65 °C	1780	1780	2539	2539	2999	2999	4145	4145	5269	5269
	70/55 °C	1415	1415	2024	2024	2368	2368	3271	3271	4147	4147
	Price EUR	<b>1415.43</b>	<b>1479.47</b>	<b>1809.88</b>	<b>1937.96</b>	<b>2084.47</b>	<b>2212.55</b>	<b>2917.22</b>	<b>3109.35</b>	<b>3744.76</b>	<b>4000.93</b>
2400	watts 75/65 °C	1942	1942	2770	2770	3271	3271	4522	4522	5748	5748
	70/55 °C	1544	1544	2208	2208	2583	2583	3569	3569	4524	4524
	Price EUR	<b>1496.32</b>	<b>1566.18</b>	<b>1925.55</b>	<b>2065.28</b>	<b>2223.65</b>	<b>2363.38</b>	<b>3118.78</b>	<b>3328.37</b>	<b>4010.79</b>	<b>4290.25</b>

**Please note:** Additional charges for connection options / valve version and special versions, see page 17 – 19 and page 78.

Height 280 mm  
Lengths 500–6000 mm

Height 280 mm

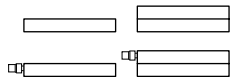


Type	KNx21		KNx22		KNx32		KNx43		KNx54	
Cover	Without	With	Without	With	Without	With	Without	With	Without	With
Radiator exponent	1.3518	1.3518	1.3361	1.3361	1.3912	1.3912	1.3953	1.3953	1.4107	1.4107
Depth mm	72	72	122	122	133	133	194	194	255	255
Price/m EUR	404.45	433.56	578.38	636.60	695.93	754.15	1007.80	1095.13	1330.15	1446.59
Surcharge per unit EUR	525.64	525.64	537.44	537.44	553.42	553.42	700.06	700.06	818.43	818.43
watts/m 75/65/20 °C	809	809	1154	1154	1363	1363	1884	1884	2395	2395

Length mm		Heat output in watts / room temperature 20 °C									
2600	watts 75/65 °C	2103	2103	3000	3000	3544	3544	4898	4898	6227	6227
	70/55 °C	1672	1672	2391	2391	2799	2799	3865	3865	4901	4901
	Price EUR	1577.21	1652.90	2041.23	2192.60	2362.84	2514.21	3320.34	3547.40	4276.82	4579.56
2800	watts 75/65 °C	2265	2265	3231	3231	3816	3816	5275	5275	6706	6706
	70/55 °C	1801	1801	2576	2576	3014	3014	4163	4163	5278	5278
	Price EUR	1658.10	1739.61	2156.90	2319.92	2502.02	2665.04	3521.90	3766.42	4542.85	4868.88
3000	watts 75/65 °C	2427	2427	3462	3462	4089	4089	5652	5652	7185	7185
	70/55 °C	1930	1930	2760	2760	3229	3229	4460	4460	5655	5655
	Price EUR	1738.99	1826.32	2272.58	2447.24	2641.21	2815.87	3723.46	3985.45	4808.88	5158.20
3200	watts 75/65 °C	2589	2589	3693	3693	4362	4362	6029	6029	7664	7664
	70/55 °C	2058	2058	2944	2944	3445	3445	4758	4758	6032	6032
	Price EUR	1819.88	1913.03	2388.26	2574.56	2780.40	2966.70	3925.02	4204.48	5074.91	5447.52
3400	watts 75/65 °C	2751	2751	3924	3924	4634	4634	6406	6406	8143	8143
	70/55 °C	2187	2187	3128	3128	3660	3660	5055	5055	6409	6409
	Price EUR	1900.77	1999.74	2503.93	2701.88	2919.58	3117.53	4126.58	4423.50	5340.94	5736.84
3600	watts 75/65 °C	2912	2912	4154	4154	4907	4907	6782	6782	8622	8622
	70/55 °C	2315	2315	3311	3311	3875	3875	5352	5352	6786	6786
	Price EUR	1981.66	2086.46	2619.61	2829.20	3058.77	3268.36	4328.14	4642.53	5606.97	6026.15
3800	watts 75/65 °C	3074	3074	4385	4385	5179	5179	7159	7159		
	70/55 °C	2444	2444	3495	3495	4090	4090	5650	5650		
	Price EUR	2062.55	2173.17	2735.28	2956.52	3197.95	3419.19	4529.70	4861.55		
4000	watts 75/65 °C	3236	3236	4616	4616	5452	5452	7536	7536		
	70/55 °C	2573	2573	3680	3680	4306	4306	5947	5947		
	Price EUR	2143.44	2259.88	2850.96	3083.84	3337.14	3570.02	4731.26	5080.58		
4200	watts 75/65 °C	3398	3398	4847	4847	5725	5725	7913	7913		
	70/55 °C	2701	2701	3864	3864	4521	4521	6245	6245		
	Price EUR	2224.33	2346.59	2966.64	3211.16	3476.33	3720.85	4932.82	5299.61		
4400	watts 75/65 °C	3560	3560	5078	5078	5997	5997	8290	8290		
	70/55 °C	2830	2830	4048	4048	4736	4736	6542	6542		
	Price EUR	2305.22	2433.30	3082.31	3338.48	3615.51	3871.68	5134.38	5518.63		
4600	watts 75/65 °C	3721	3721	5308	5308	6270	6270	8666	8666		
	70/55 °C	2958	2958	4231	4231	4952	4952	6839	6839		
	Price EUR	2386.11	2520.02	3197.99	3465.80	3754.70	4022.51	5335.94	5737.66		
4800	watts 75/65 °C	3883	3883	5539	5539	6542	6542	9043	9043		
	70/55 °C	3087	3087	4415	4415	5166	5166	7136	7136		
	Price EUR	2467.00	2606.73	3313.66	3593.12	3893.88	4173.34	5537.50	5956.68		
5000	watts 75/65 °C	4045	4045	5770	5770	6815	6815				
	70/55 °C	3216	3216	4599	4599	5382	5382				
	Price EUR	2547.89	2693.44	3429.34	3720.44	4033.07	4324.17				
5200	watts 75/65 °C	4207	4207	6001	6001	7088	7088				
	70/55 °C	3345	3345	4784	4784	5598	5598				
	Price EUR	2628.78	2780.15	3545.02	3847.76	4172.26	4475.00				
5400	watts 75/65 °C	4369	4369	6232	6232	7360	7360				
	70/55 °C	3473	3473	4968	4968	5812	5812				
	Price EUR	2709.67	2866.86	3660.69	3975.08	4311.44	4625.83				
5600	watts 75/65 °C	4530	4530	6462	6462	7633	7633				
	70/55 °C	3601	3601	5151	5151	6028	6028				
	Price EUR	2790.56	2953.58	3776.37	4102.40	4450.63	4776.66				
5800	watts 75/65 °C	4692	4692	6693	6693	7905	7905				
	70/55 °C	3730	3730	5335	5335	6243	6243				
	Price EUR	2871.45	3040.29	3892.04	4229.72	4589.81	4927.49				
6000	watts 75/65 °C	4854	4854	6924	6924	8178	8178				
	70/55 °C	3859	3859	5519	5519	6458	6458				
	Price EUR	2952.34	3127.00	4007.72	4357.04	4729.00	5078.32				

Please note: Convector that are not listed are available on request.

⊗ Products not available as valve convectors.



## Convectors with radiation shield

### Height 70 mm

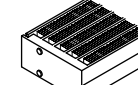
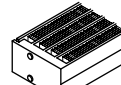
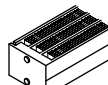
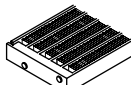
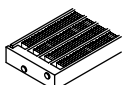
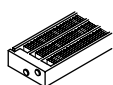
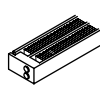
### Height 140 mm

**Please note:**

"x" optionally for

V = valve or

N = standard



Type	KSx22		KSx33		KSx44		KSx55		KSx22		KSx33		KSx44		KSx55	
	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With
Cover																
Radiator exponent	1.2030	1.2030	1.2104	1.2104	1.2178	1.2178	1.2365	1.2365	1.2564	1.2564	1.2698	1.2698	1.2832	1.2832	1.2875	1.2875
Depth mm	133	133	194	194	255	255	316	316	133	133	194	194	255	255	316	316
Price/m EUR	<b>304.88</b>	<b>363.10</b>	<b>369.19</b>	<b>456.52</b>	<b>476.24</b>	<b>592.68</b>	<b>558.57</b>	<b>704.12</b>	<b>530.04</b>	<b>588.26</b>	<b>641.19</b>	<b>728.52</b>	<b>804.02</b>	<b>920.46</b>	<b>1045.65</b>	<b>1191.20</b>
Surcharge per unit EUR	<b>529.78</b>	<b>529.78</b>	<b>622.90</b>	<b>622.90</b>	<b>684.90</b>	<b>684.90</b>	<b>766.20</b>	<b>766.20</b>	<b>595.90</b>	<b>595.90</b>	<b>681.82</b>	<b>681.82</b>	<b>770.84</b>	<b>770.84</b>	<b>869.64</b>	<b>869.64</b>
watts/m 75/65/20 °C	458	458	720	720	933	933	1097	1097	723	723	1145	1145	1372	1372	1796	1796

Length mm		Heat output in watts / room temperature 20 °C															
500	watts 75/65 °C	229	229	360	360	467	467	549	549	362	362	573	573	686	686	898	898
	70/55 °C	187	187	293	293	380	380	445	445	292	292	462	462	552	552	722	722
	Price EUR	<b>682.22</b>	<b>711.33</b>	<b>807.50</b>	<b>851.16</b>	<b>923.02</b>	<b>981.24</b>	<b>1045.49</b>	<b>1118.26</b>	<b>860.92</b>	<b>890.03</b>	<b>1002.42</b>	<b>1046.08</b>	<b>1172.85</b>	<b>1231.07</b>	<b>1392.47</b>	<b>1465.24</b>
600	watts 75/65 °C	275	275	432	432	560	560	658	658	434	434	687	687	823	823	1078	1078
	70/55 °C	224	224	352	352	455	455	533	533	351	351	554	554	662	662	866	866
	Price EUR	<b>712.71</b>	<b>747.64</b>	<b>844.41</b>	<b>896.81</b>	<b>970.64</b>	<b>1040.51</b>	<b>1101.34</b>	<b>1188.67</b>	<b>913.92</b>	<b>948.86</b>	<b>1066.53</b>	<b>1118.93</b>	<b>1253.25</b>	<b>1323.12</b>	<b>1497.03</b>	<b>1584.36</b>
700	watts 75/65 °C	321	321	504	504	653	653	768	768	506	506	802	802	960	960	1257	1257
	70/55 °C	262	262	410	410	531	531	623	623	409	409	647	647	772	772	1010	1010
	Price EUR	<b>743.20</b>	<b>783.95</b>	<b>881.33</b>	<b>942.46</b>	<b>1018.27</b>	<b>1099.78</b>	<b>1157.20</b>	<b>1259.08</b>	<b>966.93</b>	<b>1007.68</b>	<b>1130.65</b>	<b>1191.78</b>	<b>1333.65</b>	<b>1415.16</b>	<b>1601.60</b>	<b>1703.48</b>
800	watts 75/65 °C	366	366	576	576	746	746	878	878	578	578	916	916	1098	1098	1437	1437
	70/55 °C	298	298	469	469	607	607	712	712	467	467	738	738	883	883	1155	1155
	Price EUR	<b>773.68</b>	<b>820.26</b>	<b>918.25</b>	<b>988.12</b>	<b>1065.89</b>	<b>1159.04</b>	<b>1213.06</b>	<b>1329.50</b>	<b>1019.93</b>	<b>1066.51</b>	<b>1194.77</b>	<b>1264.64</b>	<b>1414.06</b>	<b>1507.21</b>	<b>1706.16</b>	<b>1822.60</b>
900	watts 75/65 °C	412	412	648	648	840	840	987	987	651	651	1031	1031	1235	1235	1616	1616
	70/55 °C	336	336	528	528	683	683	800	800	526	526	831	831	993	993	1299	1299
	Price EUR	<b>804.17</b>	<b>856.57</b>	<b>955.17</b>	<b>1033.77</b>	<b>1113.52</b>	<b>1218.31</b>	<b>1268.91</b>	<b>1399.91</b>	<b>1072.94</b>	<b>1125.33</b>	<b>1258.89</b>	<b>1337.49</b>	<b>1494.46</b>	<b>1599.25</b>	<b>1810.73</b>	<b>1941.72</b>
1000	watts 75/65 °C	458	458	720	720	933	933	1097	1097	723	723	1145	1145	1372	1372	1796	1796
	70/55 °C	373	373	586	586	759	759	889	889	584	584	923	923	1104	1104	1444	1444
	Price EUR	<b>834.66</b>	<b>892.88</b>	<b>992.09</b>	<b>1079.42</b>	<b>1161.14</b>	<b>1277.58</b>	<b>1324.77</b>	<b>1470.32</b>	<b>1125.94</b>	<b>1184.16</b>	<b>1323.01</b>	<b>1410.34</b>	<b>1574.86</b>	<b>1691.30</b>	<b>1915.29</b>	<b>2060.84</b>
1100	watts 75/65 °C	504	504	792	792	1026	1026	1207	1207	795	795	1260	1260	1509	1509	1976	1976
	70/55 °C	411	411	645	645	834	834	979	979	642	642	1016	1016	1214	1214	1588	1588
	Price EUR	<b>865.15</b>	<b>929.19</b>	<b>1029.01</b>	<b>1125.07</b>	<b>1208.76</b>	<b>1336.85</b>	<b>1380.63</b>	<b>1540.73</b>	<b>1178.94</b>	<b>1242.99</b>	<b>1387.13</b>	<b>1483.19</b>	<b>1655.26</b>	<b>1783.35</b>	<b>2019.86</b>	<b>2179.96</b>
1200	watts 75/65 °C	550	550	864	864	1120	1120	1316	1316	868	868	1374	1374	1646	1646	2155	2155
	70/55 °C	448	448	704	704	911	911	1067	1067	701	701	1108	1108	1324	1324	1732	1732
	Price EUR	<b>895.64</b>	<b>965.50</b>	<b>1065.93</b>	<b>1170.72</b>	<b>1256.39</b>	<b>1396.12</b>	<b>1436.48</b>	<b>1611.14</b>	<b>1231.95</b>	<b>1301.81</b>	<b>1451.25</b>	<b>1556.04</b>	<b>1735.66</b>	<b>1875.39</b>	<b>2124.42</b>	<b>2299.08</b>
1300	watts 75/65 °C	595	595	936	936	1213	1213	1426	1426	940	940	1489	1489	1784	1784	2335	2335
	70/55 °C	485	485	762	762	987	987	1156	1156	760	760	1200	1200	1435	1435	1877	1877
	Price EUR	<b>926.12</b>	<b>1001.81</b>	<b>1102.85</b>	<b>1216.38</b>	<b>1304.01</b>	<b>1455.38</b>	<b>1492.34</b>	<b>1681.56</b>	<b>1284.95</b>	<b>1360.64</b>	<b>1515.37</b>	<b>1628.90</b>	<b>1816.07</b>	<b>1967.44</b>	<b>2228.99</b>	<b>2418.20</b>
1400	watts 75/65 °C	641	641	1008	1008	1306	1306	1536	1536	1012	1012	1603	1603	1921	1921	2514	2514
	70/55 °C	523	523	821	821	1062	1062	1245	1245	818	818	1292	1292	1545	1545	2021	2021
	Price EUR	<b>956.61</b>	<b>1038.12</b>	<b>1139.77</b>	<b>1262.03</b>	<b>1351.64</b>	<b>1514.65</b>	<b>1548.20</b>	<b>1751.97</b>	<b>1337.96</b>	<b>1419.46</b>	<b>1579.49</b>	<b>1701.75</b>	<b>1896.47</b>	<b>2059.48</b>	<b>2333.55</b>	<b>2537.32</b>
1500	watts 75/65 °C	687	687	1080	1080	1400	1400	1646	1646	1085	1085	1718	1718	2058	2058	2694	2694
	70/55 °C	560	560	879	879	1139	1139	1334	1334	877	877	1385	1385	1655	1655	2165	2165
	Price EUR	<b>987.10</b>	<b>1074.43</b>	<b>1176.69</b>	<b>1307.68</b>	<b>1399.26</b>	<b>1573.92</b>	<b>1604.06</b>	<b>1822.38</b>	<b>1390.96</b>	<b>1478.29</b>	<b>1643.61</b>	<b>1774.60</b>	<b>1976.87</b>	<b>2151.53</b>	<b>2438.12</b>	<b>2656.44</b>
1600	watts 75/65 °C	733	733	1152	1152	1493	1493	1755	1755	1157	1157	1832	1832	2195	2195	2874	2874
	70/55 °C	598	598	938	938	1214	1214	1423	1423	935	935	1477	1477	1765	1765	2310	2310
	Price EUR	<b>1017.59</b>	<b>1110.74</b>	<b>1213.60</b>	<b>1353.33</b>	<b>1446.88</b>	<b>1633.19</b>	<b>1659.91</b>	<b>1892.79</b>	<b>1443.96</b>	<b>1537.12</b>	<b>1707.72</b>	<b>1847.45</b>	<b>2057.27</b>	<b>2243.58</b>	<b>2542.68</b>	<b>2775.56</b>
1700	watts 75/65 °C	779	779	1224	1224	1586	1586	1865	1865	1229	1229	1947	1947	2332	2332	3053	3053
	70/55 °C	635	635	997	997	1290	1290	1512	1512	993	993	1570	1570	1876	1876	2454	2454
	Price EUR	<b>1048.08</b>	<b>1147.05</b>	<b>1250.52</b>	<b>1398.98</b>	<b>1494.51</b>	<b>1692.46</b>	<b>1715.77</b>	<b>1963.20</b>	<b>1496.97</b>	<b>1595.94</b>	<b>1771.84</b>	<b>1920.30</b>	<b>2137.67</b>	<b>2335.62</b>	<b>2647.25</b>	<b>2894.68</b>
1800	watts 75/65 °C	824	824	1296	1296	1679	1679	1975	1975	1301	1301	2061	2061	2470	2470	3233	3233
	70/55 °C	672	672	1055	1055	1366	1366	1601	1601	1051	1051	1661	1661	1987	1987	2598	2598
	Price EUR	<b>1078.56</b>	<b>1183.36</b>	<b>1287.44</b>	<b>1444.64</b>	<b>1542.13</b>	<b>1751.72</b>	<b>1771.63</b>	<b>2033.62</b>	<b>1549.97</b>	<b>1654.77</b>	<b>1835.96</b>	<b>1993.16</b>	<b>2218.08</b>	<b>2427.67</b>	<b>2751.81</b>	<b>3013.80</b>
1900	watts 75/65 °C	870	870	1368	1368	1773	1773	2084	2084	1374	1374	2176	2176	2607	2607	3412	3412
	70/55 °C	709	709	1114	1114	1442	1442	1690	1690	1110	1110	1754	1754	2097	2097	2742	2742
	Price EUR	<b>1109.05</b>	<b>1219.67</b>	<b>1324.36</b>	<b>1490.29</b>	<b>1589.76</b>	<b>1810.99</b>	<b>1827.48</b>	<b>2104.03</b>	<b>1602.98</b>	<b>1713.59</b>	<b>1900.08</b>	<b>2066.01</b>	<b>2298.48</b>	<b>2519.71</b>	<b>2856.38</b>	<b>3132.92</b>
2000	watts 75/65 °C	916	916	1440	1440	1866	1866	2194	2194	1446	1446	2290	2290	2744	2744	3592	3592
	70/55 °C	747	747	1173	1173	1518	1518	1779	1779	1168	1168	1846	1846	2207	2207	2887	2887
	Price EUR	<b>1139.54</b>	<b>1255.98</b>	<b>1361.28</b>	<b>1535.94</b>	<b>1637.38</b>	<b>1870.26</b>	<b>1883.34</b>	<b>2174.44</b>	<b>1655.98</b>	<b>1772.42</b>	<b>1964.20</b>	<b>2138.86</b>	<b>2378.88</b>	<b>2611.76</b>	<b>2960.94</b>	<b>3252.04</b>
2200	watts 75/65 °C	1008	1008	1584	1584	2053	2053	2413	2413	1591	1591	2519	2519	3018	3018	3951	3951
	70/55 °C	822	822	1290	1290	1670	1670	1956	1956	1286	1286	2031	2031	2427	2427	3176	3176
	Price EUR	<b>1200.52</b>	<b>1328.60</b>	<b>1435.12</b>	<b>1627.24</b>	<b>1732.63</b>	<b>1988.80</b>	<b>1995.05</b>	<b>2315.26</b>	<b>1761.99</b>	<b>1890.07</b>	<b>2092.44</b>	<b>2284.56&lt;/</b>				



Height 70/140 mm  
Lengths 500–6000 mm

General information

Prices Convertors

Prices – Convertors with radiation shield

Special solutions

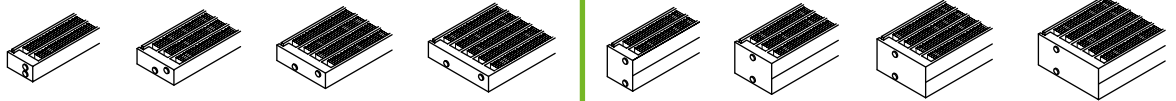
Accessories

Technical data

Compact convertors

Height 70 mm

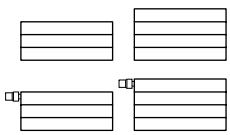
Height 140 mm



Type	KSx22				KSx33				KSx44				KSx55			
	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With
Cover																
Radiator exponent	1.2030	1.2030	1.2104	1.2104	1.2178	1.2178	1.2365	1.2365	1.2564	1.2564	1.2698	1.2698	1.2832	1.2832	1.2875	1.2875
Depth mm	133	133	194	194	255	255	316	316	133	133	194	194	255	255	316	316
Price/m EUR	304.88	363.10	369.19	456.52	476.24	592.68	558.57	704.12	530.04	588.26	641.19	728.52	804.02	920.46	1045.65	1191.20
Surcharge per unit EUR	529.78	529.78	622.90	622.90	684.90	684.90	766.20	766.20	595.90	595.90	681.82	681.82	770.84	770.84	869.64	869.64
watts/m 75/65/20 °C	458	458	720	720	933	933	1097	1097	723	723	1145	1145	1372	1372	1796	1796

Length mm			Heat output in watts / room temperature 20 °C														
2600	watts 75/65 °C	1191	1191	1872	1872	2426	2426	2852	2852	1880	1880	2977	2977	3567	3567	4670	4670
	70/55 °C	971	971	1524	1524	1973	1973	2312	2312	1519	1519	2400	2400	2869	2869	3753	3753
2800	watts 75/65 °C	1282	1282	2016	2016	2612	2612	3072	3072	2024	2024	3206	3206	3842	3842	5029	5029
	70/55 °C	1045	1045	1642	1642	2124	2124	2491	2491	1635	1635	2585	2585	3090	3090	4042	4042
3000	watts 75/65 °C	1374	1374	2160	2160	2799	2799	3291	3291	2169	2169	3435	3435	4116	4116	5388	5388
	70/55 °C	1120	1120	1759	1759	2276	2276	2668	2668	1753	1753	2769	2769	3311	3311	4331	4331
3200	watts 75/65 °C	1466	1466	2304	2304	2986	2986	3510	3510	2314	2314	3664	3664	4390	4390	5747	5747
	70/55 °C	1195	1195	1876	1876	2429	2429	2846	2846	1870	1870	2954	2954	3531	3531	4619	4619
3400	watts 75/65 °C	1557	1557	2448	2448	3172	3172	3730	3730	2458	2458	3893	3893	4665	4665	6106	6106
	70/55 °C	1269	1269	1993	1993	2580	2580	3024	3024	1986	1986	3138	3138	3752	3752	4908	4908
3600	watts 75/65 °C	1649	1649	2592	2592	3359	3359	3949	3949	2603	2603	4122	4122	4939	4939	6466	6466
	70/55 °C	1345	1345	2111	2111	2732	2732	3202	3202	2103	2103	3323	3323	3973	3973	5197	5197
3800	watts 75/65 °C	1740	1740	2736	2736	3545	3545	4169	4169	2747	2747	4351	4351	5214	5214	6825	6825
	70/55 °C	1419	1419	2228	2228	2883	2883	3380	3380	2220	2220	3508	3508	4194	4194	5486	5486
4000	watts 75/65 °C	1832	1832	2880	2880	3732	3732	4388	4388	2892	2892	4580	4580	5488	5488	7184	7184
	70/55 °C	1494	1494	2345	2345	3035	3035	3557	3557	2337	2337	3692	3692	4414	4414	5774	5774
4200	watts 75/65 °C	1924	1924	3024	3024	3919	3919	4607	4607	3037	3037	4809	4809	5762	5762	7543	7543
	70/55 °C	1569	1569	2463	2463	3187	3187	3735	3735	2454	2454	3877	3877	4635	4635	6063	6063
4400	watts 75/65 °C	2015	2015	3168	3168	4105	4105	4827	4827	3181	3181	5038	5038	6037	6037	7902	7902
	70/55 °C	1643	1643	2580	2580	3339	3339	3913	3913	2570	2570	4061	4061	4856	4856	6351	6351
4600	watts 75/65 °C	2107	2107	3312	3312	4292	4292	5046	5046	3326	3326	5267	5267	6311	6311	8262	8262
	70/55 °C	1718	1718	2697	2697	3491	3491	4091	4091	2687	2687	4246	4246	5076	5076	6640	6640
4800	watts 75/65 °C	2198	2198	3456	3456	4478	4478	5266	5266	3470	3470	5496	5496	6586	6586	8621	8621
	70/55 °C	1792	1792	2814	2814	3642	3642	4269	4269	2804	2804	4431	4431	5297	5297	6929	6929
5000	watts 75/65 °C	2290	2290	3600	3600	4665	4665	5485	5485	3615	3615	5725	5725	6860	6860	8980	8980
	70/55 °C	1867	1867	2932	2932	3794	3794	4447	4447	2921	2921	4615	4615	5518	5518	7218	7218
5200	watts 75/65 °C	2382	2382	3744	3744	4852	4852	5704	5704	3760	3760	5954	5954	7134	7134	9339	9339
	70/55 °C	1942	1942	3049	3049	3946	3946	4624	4624	3038	3038	4800	4800	5738	5738	7506	7506
5400	watts 75/65 °C	2473	2473	3888	3888	5038	5038	5924	5924	3904	3904	6183	6183	7409	7409	9698	9698
	70/55 °C	2016	2016	3166	3166	4097	4097	4803	4803	3154	3154	4984	4984	5959	5959	7795	7795
5600	watts 75/65 °C	2565	2565	4032	4032	5225	5225	6143	6143	4049	4049	6412	6412	7683	7683	10058	10058
	70/55 °C	2091	2091	3283	3283	4249	4249	4980	4980	3272	3272	5169	5169	6180	6180	8084	8084
5800	watts 75/65 °C	2656	2656	4176	4176	5411	5411	6363	6363	4193	4193	6641	6641	7958	7958	10417	10417
	70/55 °C	2166	2166	3401	3401	4401	4401	5159	5159	3388	3388	5354	5354	6401	6401	8373	8373
6000	watts 75/65 °C	2748	2748	4320	4320	5598	5598	6582	6582	4338	4338	6870	6870	8232	8232	10776	10776
	70/55 °C	2241	2241	3518	3518	4553	4553	5336	5336	3505	3505	5538	5538	6621	6621	8661	8661

⊗ Products not available as valve convertors.

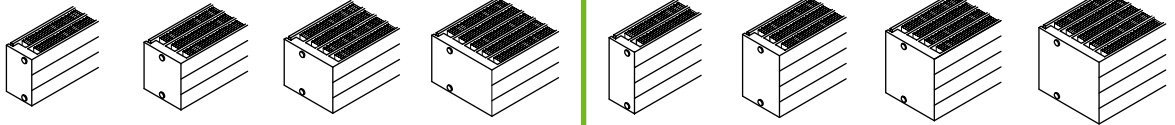


# Convectors with radiation shield

## Height 210 mm

## Height 280 mm

**Please note:**  
 "x" optionally for  
 V = valve or  
 N = standard



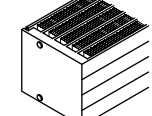
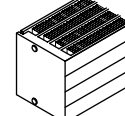
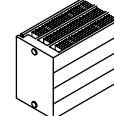
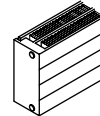
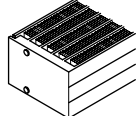
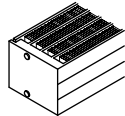
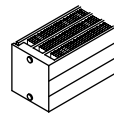
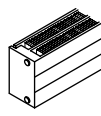
Type	KSx22				KSx33				KSx44				KSx55			
	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With
<b>Cover</b>																
<b>Radiator exponent</b>	1.3098	1.3098	1.3292	1.3292	1.3486	1.3486	1.3384	1.3384	1.3785	1.3785	1.3733	1.3733	1.3681	1.3681	1.3837	1.3837
<b>Depth mm</b>	133	133	194	194	255	255	316	316	133	133	194	194	255	255	316	316
<b>Price/m EUR</b>	<b>603.61</b>	<b>661.83</b>	<b>754.66</b>	<b>841.99</b>	<b>988.01</b>	<b>1104.45</b>	<b>1253.00</b>	<b>1398.55</b>	<b>751.55</b>	<b>809.77</b>	<b>946.05</b>	<b>1033.38</b>	<b>1243.49</b>	<b>1359.93</b>	<b>1584.38</b>	<b>1729.93</b>
<b>Surcharge per unit EUR</b>	<b>662.52</b>	<b>662.52</b>	<b>740.70</b>	<b>740.70</b>	<b>857.03</b>	<b>857.03</b>	<b>976.70</b>	<b>976.70</b>	<b>729.62</b>	<b>729.62</b>	<b>799.67</b>	<b>799.67</b>	<b>942.20</b>	<b>942.20</b>	<b>1083.27</b>	<b>1083.27</b>
<b>watts/m 75/65/20 °C</b>	934	934	1432	1432	1911	1911	2372	2372	1110	1110	1580	1580	2167	2167	2870	2870

Length mm		Heat output in watts / room temperature 20 °C															
<b>500</b>	watts 75/65 °C	467	467	716	716	956	956	1186	1186	555	555	790	790	1084	1084	1435	1435
	70/55 °C	374	374	571	571	760	760	945	945	439	439	626	626	859	859	1135	1135
	Price EUR	<b>964.33</b>	<b>993.44</b>	<b>1118.03</b>	<b>1161.70</b>	<b>1351.04</b>	<b>1409.26</b>	<b>1603.20</b>	<b>1675.98</b>	<b>1105.40</b>	<b>1134.51</b>	<b>1272.70</b>	<b>1316.36</b>	<b>1563.95</b>	<b>1622.17</b>	<b>1875.46</b>	<b>1948.24</b>
<b>600</b>	watts 75/65 °C	560	560	859	859	1147	1147	1423	1423	666	666	948	948	1300	1300	1722	1722
	70/55 °C	448	448	686	686	912	912	1134	1134	527	527	751	751	1031	1031	1362	1362
	Price EUR	<b>1024.69</b>	<b>1059.62</b>	<b>1193.50</b>	<b>1245.89</b>	<b>1449.84</b>	<b>1519.70</b>	<b>1728.50</b>	<b>1815.83</b>	<b>1180.55</b>	<b>1215.48</b>	<b>1367.30</b>	<b>1419.70</b>	<b>1688.29</b>	<b>1758.16</b>	<b>2033.90</b>	<b>2121.23</b>
<b>700</b>	watts 75/65 °C	654	654	1002	1002	1338	1338	1660	1660	777	777	1106	1106	1517	1517	2009	2009
	70/55 °C	524	524	800	800	1064	1064	1323	1323	615	615	876	876	1203	1203	1589	1589
	Price EUR	<b>1085.05</b>	<b>1125.80</b>	<b>1268.96</b>	<b>1330.09</b>	<b>1548.64</b>	<b>1630.15</b>	<b>1853.80</b>	<b>1955.69</b>	<b>1255.71</b>	<b>1296.46</b>	<b>1461.91</b>	<b>1523.04</b>	<b>1812.64</b>	<b>1894.15</b>	<b>2192.34</b>	<b>2294.22</b>
<b>800</b>	watts 75/65 °C	747	747	1146	1146	1529	1529	1898	1898	888	888	1264	1264	1734	1734	2296	2296
	70/55 °C	598	598	915	915	1216	1216	1512	1512	703	703	1001	1001	1375	1375	1816	1816
	Price EUR	<b>1145.41</b>	<b>1191.98</b>	<b>1344.43</b>	<b>1414.29</b>	<b>1647.44</b>	<b>1740.59</b>	<b>1979.10</b>	<b>2095.54</b>	<b>1330.86</b>	<b>1377.44</b>	<b>1556.51</b>	<b>1626.37</b>	<b>1936.99</b>	<b>2030.14</b>	<b>2350.77</b>	<b>2467.21</b>
<b>900</b>	watts 75/65 °C	841	841	1289	1289	1720	1720	2135	2135	999	999	1422	1422	1950	1950	2583	2583
	70/55 °C	673	673	1029	1029	1368	1368	1701	1701	791	791	1126	1126	1546	1546	2042	2042
	Price EUR	<b>1205.77</b>	<b>1258.17</b>	<b>1419.89</b>	<b>1498.49</b>	<b>1746.24</b>	<b>1851.04</b>	<b>2104.40</b>	<b>2235.40</b>	<b>1406.02</b>	<b>1458.41</b>	<b>1651.12</b>	<b>1729.71</b>	<b>2061.34</b>	<b>2166.14</b>	<b>2509.21</b>	<b>2640.21</b>
<b>1000</b>	watts 75/65 °C	934	934	1432	1432	1911	1911	2372	2372	1110	1110	1580	1580	2167	2167	2870	2870
	70/55 °C	748	748	1143	1143	1520	1520	1890	1890	878	878	1252	1252	1718	1718	2269	2269
	Price EUR	<b>1266.13</b>	<b>1324.35</b>	<b>1495.36</b>	<b>1582.69</b>	<b>1845.04</b>	<b>1961.48</b>	<b>2229.70</b>	<b>2375.25</b>	<b>1481.17</b>	<b>1539.39</b>	<b>1745.72</b>	<b>1833.05</b>	<b>2185.69</b>	<b>2302.13</b>	<b>2667.65</b>	<b>2813.20</b>
<b>1100</b>	watts 75/65 °C	1027	1027	1575	1575	2102	2102	2609	2609	1221	1221	1738	1738	2384	2384	3157	3157
	70/55 °C	822	822	1257	1257	1672	1672	2079	2079	966	966	1377	1377	1890	1890	2496	2496
	Price EUR	<b>1326.49</b>	<b>1390.53</b>	<b>1570.83</b>	<b>1666.89</b>	<b>1943.84</b>	<b>2071.93</b>	<b>2355.00</b>	<b>2515.11</b>	<b>1556.33</b>	<b>1620.37</b>	<b>1840.33</b>	<b>1936.39</b>	<b>2310.04</b>	<b>2438.12</b>	<b>2826.09</b>	<b>2986.19</b>
<b>1200</b>	watts 75/65 °C	1121	1121	1718	1718	2293	2293	2846	2846	1332	1332	1896	1896	2600	2600	3444	3444
	70/55 °C	898	898	1371	1371	1824	1824	2268	2268	1054	1054	1502	1502	2061	2061	2723	2723
	Price EUR	<b>1386.85</b>	<b>1456.72</b>	<b>1646.29</b>	<b>1751.09</b>	<b>2042.64</b>	<b>2182.37</b>	<b>2480.30</b>	<b>2654.96</b>	<b>1631.48</b>	<b>1701.34</b>	<b>1934.93</b>	<b>2039.73</b>	<b>2434.39</b>	<b>2574.12</b>	<b>2984.53</b>	<b>3159.19</b>
<b>1300</b>	watts 75/65 °C	1214	1214	1862	1862	2484	2484	3084	3084	1443	1443	2054	2054	2817	2817	3731	3731
	70/55 °C	972	972	1486	1486	1976	1976	2457	2457	1142	1142	1627	1627	2233	2233	2950	2950
	Price EUR	<b>1447.21</b>	<b>1522.90</b>	<b>1721.76</b>	<b>1835.29</b>	<b>2141.44</b>	<b>2292.82</b>	<b>2605.60</b>	<b>2794.82</b>	<b>1706.64</b>	<b>1782.32</b>	<b>2029.54</b>	<b>2143.06</b>	<b>2558.74</b>	<b>2710.11</b>	<b>3142.96</b>	<b>3332.18</b>
<b>1400</b>	watts 75/65 °C	1308	1308	2005	2005	2675	2675	3321	3321	1554	1554	2212	2212	3034	3034	4018	4018
	70/55 °C	1047	1047	1600	1600	2128	2128	2646	2646	1230	1230	1752	1752	2405	2405	3177	3177
	Price EUR	<b>1507.57</b>	<b>1589.08</b>	<b>1797.22</b>	<b>1919.49</b>	<b>2240.24</b>	<b>2403.26</b>	<b>2730.90</b>	<b>2934.67</b>	<b>1781.79</b>	<b>1863.30</b>	<b>2124.14</b>	<b>2246.40</b>	<b>2683.09</b>	<b>2846.10</b>	<b>3301.40</b>	<b>3505.17</b>
<b>1500</b>	watts 75/65 °C	1401	1401	2148	2148	2867	2867	3558	3558	1665	1665	2370	2370	3251	3251	4305	4305
	70/55 °C	1122	1122	1714	1714	2281	2281	2835	2835	1318	1318	1877	1877	2577	2577	3404	3404
	Price EUR	<b>1567.94</b>	<b>1655.27</b>	<b>1872.69</b>	<b>2003.69</b>	<b>2339.05</b>	<b>2513.71</b>	<b>2856.20</b>	<b>3074.53</b>	<b>1856.95</b>	<b>1944.28</b>	<b>2218.75</b>	<b>2349.74</b>	<b>2807.44</b>	<b>2982.10</b>	<b>3459.84</b>	<b>3678.17</b>
<b>1600</b>	watts 75/65 °C	1494	1494	2291	2291	3058	3058	3795	3795	1776	1776	2528	2528	3467	3467	4592	4592
	70/55 °C	1196	1196	1828	1828	2432	2432	3024	3024	1406	1406	2002	2002	2749	2749	3631	3631
	Price EUR	<b>1628.30</b>	<b>1721.45</b>	<b>1948.16</b>	<b>2087.88</b>	<b>2437.85</b>	<b>2624.15</b>	<b>2981.50</b>	<b>3214.38</b>	<b>1932.10</b>	<b>2025.25</b>	<b>2313.35</b>	<b>2453.08</b>	<b>2931.78</b>	<b>3118.09</b>	<b>3618.28</b>	<b>3851.16</b>
<b>1700</b>	watts 75/65 °C	1588	1588	2434	2434	3249	3249	4032	4032	1887	1887	2686	2686	3684	3684	4879	4879
	70/55 °C	1272	1272	1943	1943	2584	2584	3213	3213	1493	1493	2128	2128	2921	2921	3858	3858
	Price EUR	<b>1688.66</b>	<b>1787.63</b>	<b>2023.62</b>	<b>2172.08</b>	<b>2536.65</b>	<b>2734.60</b>	<b>3106.80</b>	<b>3354.24</b>	<b>2007.26</b>	<b>2106.23</b>	<b>2407.96</b>	<b>2556.42</b>	<b>3056.13</b>	<b>3254.08</b>	<b>3776.72</b>	<b>4024.15</b>
<b>1800</b>	watts 75/65 °C	1681	1681	2578	2578	3440	3440	4270	4270	1998	1998	2844	2844	3901	3901	5166	5166
	70/55 °C	1346	1346	2057	2057	2736	2736	3402	3402	1581	1581	2253	2253	3093	3093	4085	4085
	Price EUR	<b>1749.02</b>	<b>1853.81</b>	<b>2099.09</b>	<b>2256.28</b>	<b>2635.45</b>	<b>2845.04</b>	<b>3232.10</b>	<b>3494.09</b>	<b>2082.41</b>	<b>2187.21</b>	<b>2502.56</b>	<b>2659.75</b>	<b>3180.48</b>	<b>3390.07</b>	<b>3935.15</b>	<b>4197.14</b>
<b>1900</b>	watts 75/65 °C	1775	1775	2721	2721	3631	3631	4507	4507	2109	2109	3002	3002	4117	4117	5453	5453
	70/55 °C	1421	1421	2172	2172	2888	2888	3591	3591	1669	1669	2378	2378	3264	3264	4312	4312
	Price EUR	<b>1809.38</b>	<b>1920.00</b>	<b>2174.55</b>	<b>2340.48</b>	<b>2734.25</b>	<b>2955.49</b>	<b>3357.40</b>	<b>3633.95</b>	<b>2157.57</b>	<b>2268.18</b>	<b>2597.17</b>	<b>2763.09</b>	<b>3304.83</b>	<b>3526.07</b>	<b>4093.59</b>	<b>4370.14</b>
<b>2000</b>	watts 75/65 °C	1868	1868	2864	2864	3822	3822	4744	4744	2220	2220	3160	3160	4334	4334	5740	5740
	70/55 °C	1496	1496	2286	2286	3040	3040	3780	3780	1757	1757	2503	2503	3436	3436	4539	4539
	Price EUR	<b>1869.74</b>	<b>1986.18</b>	<b>2250.02</b>	<b>2424.68</b>	<b>2833.05</b>	<b>3065.93</b>	<b>3482.70</b>	<b>3773.80</b>	<b>2232.72</b>	<b>2349.16</b>	<b>2691.77</b>	<b>2866.43</b>	<b>3429.18</b>	<b>3662.06</b>	<b>4252.03</b>	<b>4543.13</b>
<b>2200</b>	watts 75/65 °C	2055	2055	3150	3150	4204	4204	5218	5218	2442	2442	3476	3476	4767	4767	6314	6314
	70/55 °C	1645	1645	2514	2514	3344	3344	4158	4158	1933	1933	2753	2753	3779	3779	4993	4993
	Price EUR	<b>1990.46</b>	<b>2118.55</b>	<b>2400.95</b>	<b>2593.08</b>	<b>3030.65</b>	<b>3286.82</b>	<b>3733.30</b>	<b>4053.51</b>	<b>2383.03</b>	<b>2511.11</b>	<b>2880.98</b>	<b>3073.11</b>	<b>3677.88</b>	<b>3934.05</b>	<b>4568.91</b>	<b>4889.12</b>
<b>2400</b>	watts 75/65 °C	2242	2242	3437	3437	4586	4586	5693	5693	2664	2664	3792	3792				

Height 210/280 mm  
Lengths 500–6000 mm

Height 210 mm

Height 280 mm



Type	KSx22				KSx33				KSx44				KSx55				
Cover	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	
Radiator exponent	1.3098	1.3098	1.3292	1.3292	1.3486	1.3486	1.3384	1.3384	1.3785	1.3785	1.3733	1.3733	1.3681	1.3681	1.3837	1.3837	
Depth mm	133	133	194	194	255	255	316	316	133	133	194	194	255	255	316	316	
Price/m EUR	603.61	661.83	754.66	841.99	988.01	1104.45	1253.00	1398.55	751.55	809.77	946.05	1033.38	1243.49	1359.93	1584.38	1729.93	
Surcharge per unit EUR	662.52	662.52	740.70	740.70	857.03	857.03	976.70	976.70	729.62	729.62	799.67	799.67	942.20	942.20	1083.27	1083.27	
watts/m 75/65/20 °C	934	934	1432	1432	1911	1911	2372	2372	1110	1110	1580	1580	2167	2167	2870	2870	
Length mm																	
Heat output in watts / room temperature 20 °C																	
2600	watts 75/65 °C	2428	2428	3723	3723	4969	4969	6167	6167	2886	2886	4108	4108	5634	5634	7462	7462
	70/55 °C	1944	1944	2971	2971	3953	3953	⊗ 4914	⊗ 4914	2284	2284	3254	3254	4467	4467	⊗ 5900	⊗ 5900
2800	watts 75/65 °C	2615	2615	4010	4010	5351	5351	6642	6642	3108	3108	4424	4424	6068	6068	8036	8036
	70/55 °C	2094	2094	3200	3200	4256	4256	⊗ 5293	⊗ 5293	2460	2460	3504	3504	⊗ 4811	⊗ 4811	⊗ 6354	⊗ 6354
3000	watts 75/65 °C	2802	2802	4296	4296	5733	5733	7116	7116	3330	3330	4740	4740	6501	6501	8610	8610
	70/55 °C	2244	2244	3429	3429	4560	4560	⊗ 5670	⊗ 5670	2635	2635	3755	3755	⊗ 5154	⊗ 5154	⊗ 6808	⊗ 6808
3200	watts 75/65 °C	2989	2989	4582	4582	6115	6115	7590	7590	3552	3552	5056	5056	6934	6934	9184	9184
	70/55 °C	2393	2393	3657	3657	⊗ 4864	⊗ 4864	⊗ 6048	⊗ 6048	2811	2811	4005	4005	⊗ 5497	⊗ 5497	⊗ 7262	⊗ 7262
3400	watts 75/65 °C	3176	3176	4869	4869	6497	6497	8065	8065	3774	3774	5372	5372	7368	7368		
	70/55 °C	2543	2543	3886	3886	⊗ 5168	⊗ 5168	⊗ 6426	⊗ 6426	2987	2987	4255	4255	⊗ 5841	⊗ 5841		
3600	watts 75/65 °C	3362	3362	5155	5155	6880	6880	8539	8539	3996	3996	5688	5688	7801	7801		
	70/55 °C	2692	2692	4114	4114	⊗ 5473	⊗ 5473	⊗ 6804	⊗ 6804	3163	3163	4506	4506	⊗ 6185	⊗ 6185		
3800	watts 75/65 °C	3549	3549	5442	5442	7262	7262	9014	9014	4218	4218	6004	6004	8235	8235		
	70/55 °C	2842	2842	4343	4343	⊗ 5777	⊗ 5777	⊗ 7183	⊗ 7183	3338	3338	⊗ 4756	⊗ 4756	⊗ 6529	⊗ 6529		
4000	watts 75/65 °C	3736	3736	5728	5728	7644	7644	9488	9488	4440	4440	6320	6320	8668	8668		
	70/55 °C	2991	2991	4571	4571	⊗ 6080	⊗ 6080	⊗ 7560	⊗ 7560	3514	3514	⊗ 5006	⊗ 5006	⊗ 6872	⊗ 6872		
4200	watts 75/65 °C	3923	3923	6014	6014	8026	8026	9962	9962	4662	4662	6636	6636				
	70/55 °C	3141	3141	⊗ 4800	⊗ 4800	⊗ 6384	⊗ 6384	⊗ 7938	⊗ 7938	3690	3690	⊗ 5257	⊗ 5257				
4400	watts 75/65 °C	4110	4110	6301	6301	8408	8408			4884	4884	6952	6952				
	70/55 °C	3291	3291	⊗ 5029	⊗ 5029	⊗ 6688	⊗ 6688			3865	3865	⊗ 5507	⊗ 5507				
4600	watts 75/65 °C	4296	4296	6587	6587	8791	8791			5106	5106	7268	7268				
	70/55 °C	3440	3440	⊗ 5257	⊗ 5257	⊗ 6993	⊗ 6993			4041	4041	⊗ 5757	⊗ 5757				
4800	watts 75/65 °C	4483	4483	6874	6874	9173	9173			5328	5328	7584	7584				
	70/55 °C	3590	3590	⊗ 5486	⊗ 5486	⊗ 7297	⊗ 7297			4217	4217	⊗ 6007	⊗ 6007				
5000	watts 75/65 °C	4670	4670	7160	7160	9555	9555			5550	5550	7900	7900				
	70/55 °C	3739	3739	⊗ 5714	⊗ 5714	⊗ 7601	⊗ 7601			4392	4392	⊗ 6258	⊗ 6258				
5200	watts 75/65 °C	4857	4857	7446	7446	9937	9937			5772	5772	8216	8216				
	70/55 °C	3889	3889	⊗ 5942	⊗ 5942	⊗ 7904	⊗ 7904			4568	4568	⊗ 6508	⊗ 6508				
5400	watts 75/65 °C	5044	5044	7733	7733	10319	10319			5994	5994	8532	8532				
	70/55 °C	4039	4039	⊗ 6171	⊗ 6171	⊗ 8208	⊗ 8208			⊗ 4744	⊗ 4744	⊗ 6758	⊗ 6758				
5600	watts 75/65 °C	5230	5230	8019	8019					6216	6216						
	70/55 °C	4188	4188	⊗ 6400	⊗ 6400					⊗ 4919	⊗ 4919						
5800	watts 75/65 °C	5417	5417	8306	8306					6438	6438						
	70/55 °C	4337	4337	⊗ 6629	⊗ 6629					⊗ 5095	⊗ 5095						
6000	watts 75/65 °C	5604	5604	8592	8592					6660	6660						
	70/55 °C	4487	4487	⊗ 6857	⊗ 6857					⊗ 5271	⊗ 5271						

Please note: Convectors that are not listed are available on request.

⊗ Products not available as valve convectors.

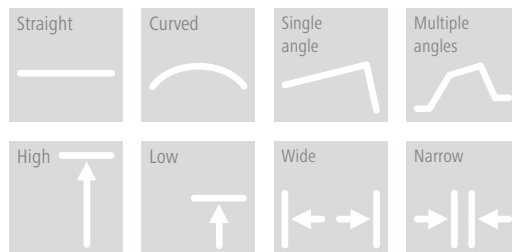
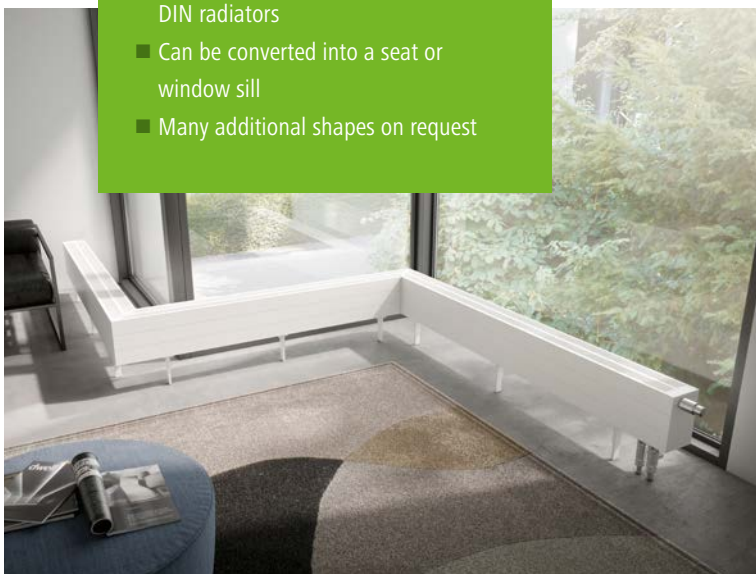
# Special solutions Convector

# They actually fit where other ones are supposed to fit

Special solutions for Kermi convectors are customised to suit your individual wishes and interior design requirements: curved, with a single or multiple angles, coupled . . . , with invisibly integrated thermal insulation or cross-corner solutions. This means that the convectors can be adapted to virtually any room requirements. With the appropriate accessories, they even become a seat or window sill.


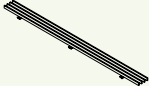


- Special solutions – Convectors**
- Curved or angled version
  - Coupled convectors with connections on alternate sides or same side
  - Special hub distances for replacing DIN radiators
  - Can be converted into a seat or window sill
  - Many additional shapes on request



Special solutions from Kermi – customised to suit any room and meet all requirements.

# Special solutions programme and prices

Special solutions	Additional charges in EUR or %:	Please note
<b>Intermediate lengths</b>		
Intermediate length	+ 15 %	Calculation based on next larger catalogue length
<b>Paint finish / coating</b>		
Sanitary colours, special editions, RAL Classic	+ 25 %	<b>Please note:</b> The hot-dip galvanisation creates a textured surface.  This means that clean and smooth surfaces cannot be guaranteed. Maximum (max.) water content 100 l.
Additional colours	on request	
Galvanised version with powder coating only in RAL 9016 Available with 10 bar operating pressure	+ 180 %	
Anti-corrosion coating RAL 9016	+ 40 %	
Anti-corrosion coating colour	on request	
<b>Operating pressure</b>		
10 bar	+ 8 %	
<b>Special connections</b>		
Special hub distances for the replacing DIN radiators (offset height)	+ 86.46 EUR	
Special connections (offset height and depth)	Price on request	
Additional connections	Price on request	
<b>Special solutions</b>		
	Price on request	
Angled or curved		
Linear grille cover instead of grille with square holes 	2x price for cover *	
Linear grille cover ordered separately	3x price for cover *	

\* see fixing accessories page 84.

## Measuring convectors special shapes

	Price EUR excl. VAT
Individual measurement for special design convector incl. travel	155.00
Any additional measurement (for same construction project without additional travel)	60.00
Flat rate for measurement for properties with more than five convectors	360.00
Flat rate for travel if the measurement could not be carried out	85.00

# Special solution – coupled convectors

## Connections for coupled convectors, connection on alternate sides

Height	Flow on left	Flow on right	Additional price in EUR excl. VAT
70 mm			No surcharge
140 mm			
210 mm			
280 mm			

T = Spacer disk / E = Drain / L = Air vent

## Connections for coupled convectors, connection on same side

Height	Flow on left	Flow on right	Additional price in EUR excl. VAT
70 mm			No surcharge
140 mm			
210 mm			
280 mm			

T = Spacer disk / E = Drain / L = Air vent



There should be a maximum of three Kermi convectors, each with a maximum length of 3 m, coupled together as shown above.

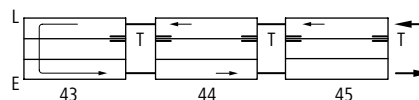
The convectors are available separately. When ordering this type of connection, please state the number of the desired arrangement.

The connections must be provided by the purchaser and are not included in the scope of delivery. Convectors are installed according to the desired arrangement to ensure optimal flow through the radiators.

The Zeta value describes the flow resistance, e.g. of a radiator.

The total resistance of the inflow and leakage resistance is shown as a Zeta value. With Kermi convectors, the Zeta value is  $\zeta = 2.0$  per convector for connection sizes from  $\frac{3}{8}$ " to  $\frac{3}{4}$ " and water velocities up to 1 m/sec. The internal convector resistance is negligible. For a coupled version, the Zeta value for the inflow and outflow per convector should be taken into account, i.e. flow and return = Zeta value 2 + each additional connection to another convector has a Zeta value of 2.0. (example: coupling arrangement 10/11/12 has a Zeta value of 10) (example: coupling arrangement 10/12 has a Zeta value of 6)

#### Ordering example coupled convectors (three in a row):



##### ■ 1 piece

KNN43 height 210 length 2800 White with cover  
Connection image: coupled version number 43

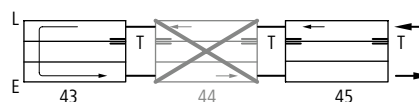
##### ■ 1 piece

KNN43 height 210 length 2800 White with cover  
Connection image: coupled version number 44

##### ■ 1 piece

KNN43 height 210 length 2800 White with cover  
Connection image: coupled version number 45

#### Ordering example coupled convectors (two in a row):



##### ■ 1 piece




KNN43 height 210 length 2800 White with cover  
Connection image: coupled version number 43

##### ■ 1 piece

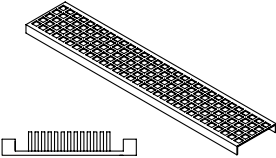

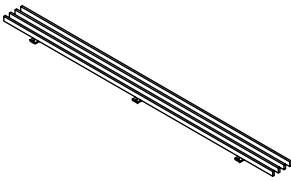
KNN43 height 210 length 2800 White with cover  
Connection image: coupled version number 45

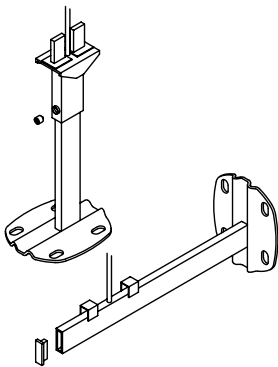
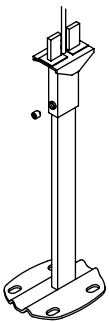
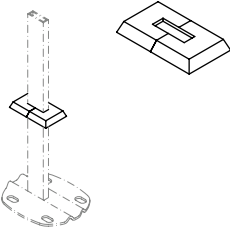
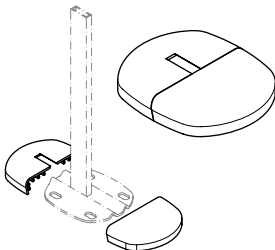
# Accessories Convector

# Fixing accessories for convectors

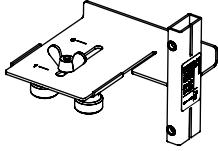
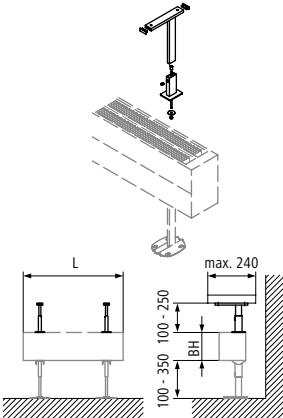
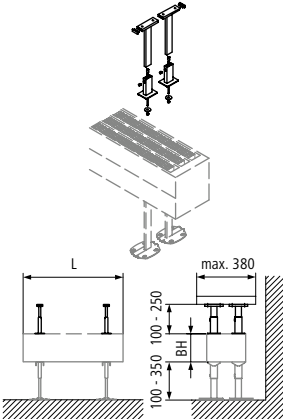
Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>built-into-wall bracket set</b>					
 <p>Suitable for requirement class II.</p>	<b>Set consisting of:</b> 2 built-into-wall brackets, 2 safety clips, 2 spacers.				
	<b>Please note:</b> Only suitable for convector models KNx21 and KNx22 with lugs (see page 107 "Arrangement of lugs").				
	Length 95 mm	ZB0276 0001	1	piece	7.64 / piece
	Length 130 mm	ZB0276 0002	1	piece	7.64 / piece
	Length 160 mm	ZB0276 0003	1	piece	7.64 / piece
Length 200 mm	ZB0276 0004	1	piece	7.64 / piece	
<b>Wall bracket set (short) (only for height 280 mm)</b>					
 <p>Suitable for requirement class II</p>	Suitable only for convector models KNN/KNV type 21/22 with lugs (see page 107 "Arrangement of lugs").  <b>Set consisting of:</b> 1 wall bracket short, 2 screws, 2 washers, 2 dowels, 1 sound insulation clip, 1 dehinging safety device for wall bracket.				
	<b>Visible parts White</b>				
	Distance to wall 30 mm, suspension point 23 mm	ZB0282 0001	1	piece	8.83 / piece
	Distance to wall 40 mm, suspension point 33 mm	ZB0282 0002	1	piece	8.83 / piece
	Distance to wall 50 mm, suspension point 43 mm	ZB0282 0003	1	piece	8.83 / piece
Distance to wall 60 mm, suspension point 53 mm	ZB0282 0004	1	piece	8.83 / piece	
<b>Visible parts galvanised</b>					
Distance to wall 30 mm, suspension point 23 mm	ZB0282 0005	1	piece	6.77 / piece	
Distance to wall 40 mm, suspension point 33 mm	ZB0282 0006	1	piece	6.77 / piece	
Distance to wall 50 mm, suspension point 43 mm	ZB0282 0007	1	piece	6.77 / piece	
Distance to wall 60 mm, suspension point 53 mm	ZB0282 0008	1	piece	6.77 / piece	
<b>Visible parts colour</b>					
* Please state colour and distance to wall when ordering	ZB0282*	1	piece	11.04 / piece	
<b>Wall bracket set variable (only for height 280 mm)</b>					
 <p>Suitable for requirement class II</p>	Suitable only for convector models KNN/KNV type 21/22 with lugs (see page 107 "Arrangement of lugs"). Only possible with 35–60 mm distance to wall.  <b>Set consisting of:</b> 1 wall bracket variable, 2 screws, 2 washers, 2 dowels, 2 sound insulation clips, 1 dehinging safety device for wall bracket.				
	<b>Visible parts White</b>				
	Distance to wall 35–45 mm	ZB0287 0001	1	piece	20.72 / piece
	Distance to wall 45–60 mm	ZB0287 0002	1	piece	20.72 / piece
	<b>Visible parts colour</b>				
* Please state colour and distance to wall when ordering	ZB0287*			25.90 / piece	


# Fixing accessories for convectors

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT																		
<b>Spacer, complete</b>																							
	Only suitable for convector models KNN/KNV type 21/22 with lugs (see p. 107 "Arrangement of lugs").	<table border="1"> <thead> <tr> <th colspan="2">Number of spacers</th> </tr> <tr> <th>Length</th> <th>Type 22</th> </tr> </thead> <tbody> <tr> <td>0.5–1.0 m</td> <td>2</td> </tr> <tr> <td>1.1–2.0 m</td> <td>3</td> </tr> <tr> <td>2.1–3.0 m</td> <td>4</td> </tr> <tr> <td>3.1–4.5 m</td> <td>6</td> </tr> <tr> <td>4.6–6 m</td> <td>8</td> </tr> </tbody> </table>				Number of spacers		Length	Type 22	0.5–1.0 m	2	1.1–2.0 m	3	2.1–3.0 m	4	3.1–4.5 m	6	4.6–6 m	8				
	Number of spacers																						
	Length	Type 22																					
	0.5–1.0 m	2																					
	1.1–2.0 m	3																					
	2.1–3.0 m	4																					
3.1–4.5 m	6																						
4.6–6 m	8																						
<b>Suspension point 18–28 mm</b>																							
Distance to wall 25–35 mm, White	<b>ZB0285 0001</b>	<b>1</b>	<b>piece</b>	<b>1.37 / piece</b>																			
Distance to wall 25–35 mm, Graphite Grey	<b>ZB0285 0002</b>	<b>1</b>	<b>piece</b>	<b>1.89 / piece</b>																			
<b>Suspension point 27–43 mm</b>																							
Distance to wall 34–50 mm, White	<b>ZB0047 0001</b>	<b>1</b>	<b>piece</b>	<b>1.37 / piece</b>																			
Distance to wall 34–50 mm, Graphite Grey	<b>ZB0286 0001</b>	<b>1</b>	<b>piece</b>	<b>1.89 / piece</b>																			
<b>Cover (for retrofitting)</b>																							
	Cover with square holes. <b>Attention:</b> When covers are used, the heat output decreases by approx. 5–7 %.	<table border="1"> <thead> <tr> <th>Type</th> <th>Number of covers</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>1</td> </tr> <tr> <td>22</td> <td>2</td> </tr> <tr> <td>32</td> <td>2</td> </tr> <tr> <td>33</td> <td>3</td> </tr> <tr> <td>43</td> <td>3</td> </tr> <tr> <td>44</td> <td>4</td> </tr> <tr> <td>54</td> <td>4</td> </tr> <tr> <td>55</td> <td>5</td> </tr> </tbody> </table>				Type	Number of covers	21	1	22	2	32	2	33	3	43	3	44	4	54	4	55	5
	Type	Number of covers																					
	21	1																					
	22	2																					
	32	2																					
	33	3																					
43	3																						
44	4																						
54	4																						
55	5																						
For multi-layered types, several covers are needed for the depth.	<b>Ordering example:</b> Cover for KSN 55, length 2000 mm in White (RAL 9016) = 5 pcs ZA0011, length 2000 mm, White (RAL 9016)																						
<b>Note:</b> Support clamp only required for KNN22.																							
White	<b>ZA0011*</b>	<b>1</b>	<b>m</b>	<b>27.11 / m</b>																			
Colour	<b>ZA0011*</b>	<b>1</b>	<b>m</b>	<b>33.89 / m</b>																			
* Please state colour, type, and length when ordering																							
<b>Support clamp</b>																							
	Required for cover ZA0011 for convectors of type KNN/KNV22 on the rear fin respectively.	<table border="1"> <thead> <tr> <th colspan="2">Number of support clamps</th> </tr> <tr> <th>Length</th> <th>Type 22</th> </tr> </thead> <tbody> <tr> <td>0.5–1.0 m</td> <td>2</td> </tr> <tr> <td>1.1–2.0 m</td> <td>3</td> </tr> <tr> <td>2.1–3.0 m</td> <td>4</td> </tr> <tr> <td>3.1–4.5 m</td> <td>6</td> </tr> <tr> <td>4.6–6 m</td> <td>8</td> </tr> </tbody> </table>				Number of support clamps		Length	Type 22	0.5–1.0 m	2	1.1–2.0 m	3	2.1–3.0 m	4	3.1–4.5 m	6	4.6–6 m	8				
	Number of support clamps																						
	Length	Type 22																					
	0.5–1.0 m	2																					
	1.1–2.0 m	3																					
	2.1–3.0 m	4																					
3.1–4.5 m	6																						
4.6–6 m	8																						
<b>ZK0035 0001</b>																							
<b>1</b>																							
<b>piece</b>																							
<b>3.48 / piece</b>																							
<b>Cover (for retrofitting)</b>																							
	Linear grille for convector types KNN, KNV, KSN, KSV. For multi-layered types, several covers are needed for the depth.	<table border="1"> <thead> <tr> <th>Type</th> <th>Number of covers</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>1</td> </tr> <tr> <td>22</td> <td>2</td> </tr> <tr> <td>32</td> <td>2</td> </tr> <tr> <td>33</td> <td>3</td> </tr> <tr> <td>43</td> <td>3</td> </tr> <tr> <td>44</td> <td>4</td> </tr> <tr> <td>54</td> <td>4</td> </tr> <tr> <td>55</td> <td>5</td> </tr> </tbody> </table>				Type	Number of covers	21	1	22	2	32	2	33	3	43	3	44	4	54	4	55	5
	Type	Number of covers																					
	21	1																					
	22	2																					
	32	2																					
	33	3																					
43	3																						
44	4																						
54	4																						
55	5																						
<b>Ordering example:</b> Cover for KSN 55, length 2000 mm in White (RAL 9016) = 5 pcs ZA0010, length 2000 mm, White (RAL 9016)																							
White	<b>ZA0010*</b>	<b>1</b>	<b>m</b>	<b>81.21 / m</b>																			
Colour	<b>ZA0010*</b>	<b>1</b>	<b>m</b>	<b>101.51 / m</b>																			
* Please state colour, type, and length when ordering																							

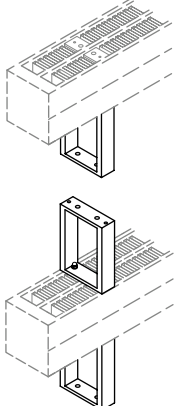
Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>Universal bracket set pipe length 300 mm</b>					
	For wall, unfinished and finished floor fixing. Installation dimension at 100–320 mm.				
	<p><b>Set consisting of:</b> Universal bracket incl. sound insulation, incl. mounting support, without screws and wall anchors.</p> <p>For number of brackets, see page 94 "Floor fixing for convectors" and page 96 "Wall fixing for convectors".</p>				
<p>Suitable for requirement class II and III. Number of fixing points depends on radiator size.</p>	Visible parts White	ZB0018 0001	1	piece	35.44 / piece
	Visible parts colour	ZB0018*	1	piece	44.30 / piece
	Visible parts White, version hot-dip galvanised **	ZB0018*	1	piece	99.23 / piece
	* Please state colour when ordering ** Please state pipe length 300 mm when ordering				
<b>Universal bracket set pipe length 800 mm</b>					
	For fixing to unfinished and finished floors. Not suitable for wall installation. Installation dimension at 100–820 mm.				
	<p><b>Set consisting of:</b> Universal bracket incl. sound insulation, incl. mounting support, without screws and wall anchors.</p> <p>For number of brackets, see page 94 "Floor fixing for convectors".</p>				
<p>Suitable for requirement class II and III. Number of fixing points depends on radiator size.</p>	Visible parts White	ZB0018 0002	1	piece	52.45 / piece
	Visible parts colour	ZB0018*	1	piece	65.56 / piece
	Visible parts White, version hot-dip galvanised **	ZB0018*	1	piece	146.86 / piece
	* Please state colour when ordering ** Please state pipe length 800 mm when ordering				
<b>Plastic rosette</b>					
	For stand pipe 30 x 10 mm (when installing on unfinished floor).				
	White	ZB0119 0001	1	piece	8.09 / piece
	Colour	ZB0119*	1	piece	10.11 / piece
	* Please state colour when ordering				
<b>Cover rosette</b>					
	For bracket base, pipe 30 x 10 mm (for installation on finished floor or wall).				
	White	ZB0029 0001	1	piece	16.38 / piece
	Colour	ZB0029*	1	piece	20.48 / piece
	* Please state colour when ordering				

# Fixing accessories for convectors

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>Connection jig</b>					
	Pre-assembling jig for valve convectors. Suitable for universal bracket set ZB0018*.				
		ZK0050 0001	1	piece	67.75 / piece
<b>Window sill support set 1</b>					
	For convector types 21/22/32/33.				
	<b>Set consisting of:</b> 1 base plate for window sill support, 1 threaded rod, 1 bag with hardware.				
	<b>Not suitable as a seat support.</b>				
	Can be retrofitted, also for stock convectors. Shelf not included in delivery programme. For use in combination with Kermi bracket ZB0018... For use in combination with Kermi bracket ZB0018... and floor bracket.				
	<b>Required number of sill support sets</b>				
	<b>Length</b>	500–1000	1100–2000	2100–4000	4100–6000
	<b>Quantity</b>	2	3	5	7
	Visible parts White	ZM0002 0001	1	piece	41.94 / piece
	Visible parts colour	ZM0002*	1	piece	52.43 / piece
	* Please state colour when ordering				
<b>Window sill support set 2</b>					
	For convector types 43/44/54/55.				
	2 base plates for window sill support, 2 threaded rods, 1 bag with accessories.				
	<b>Not suitable as a seat support.</b>				
	Can be retrofitted, also for stock convectors. Shelf not included in delivery programme. For use in combination with Kermi bracket ZB0018... For use in combination with Kermi bracket ZB0018... and floor bracket.				
	<b>Required number of sill support sets</b>				
	<b>Length</b>	500–1000	1100–2000	2100–4000	4100–6000
	<b>Quantity</b>	2	2	3	4
	Visible parts White	ZM0003 0001	1	piece	83.65 / piece
	Visible parts colour	ZM0003*	1	piece	104.56 / piece
	* Please state colour when ordering				

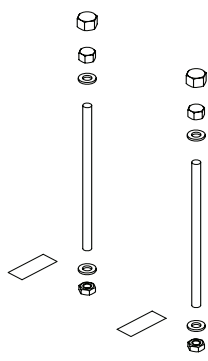
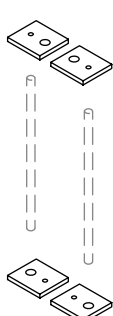
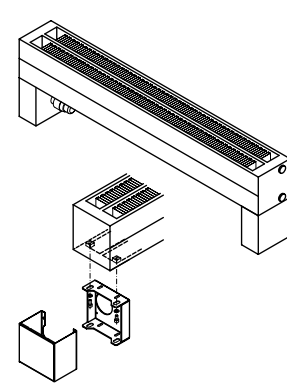
Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>Soil stand bracket</b>					
	For installation on unfinished floor and finished floors.				
	Set consisting of: Bracket base 60 x 10 mm, incl. sound insulation, incl. mounting support, incl. caps, without screws and anchors.				
	Pipe length = 300 mm, infinitely adjustable				
	For number of brackets, see page 94 "Floor fixing for convectors".				
	Visible parts White	ZB0362 0001	1	piece	57.96 / piece
Visible parts colour	ZB0362*	1	piece	72.45 / piece	
Visible parts White, version hot-dip galvanised **	ZB0362*	1	piece	162.29 / piece	
	* Please state colour when ordering ** When ordering, please state hot-dip galvanised version				
<b>Cover rosette</b>					
	Metal, for stand pipe 60 x 10 mm (when installing on unfinished floor).				
	White	ZB0311 0001	1	piece	20.35 / piece
	Colour	ZB0311*	1	piece	25.44 / piece
	* Please state colour when ordering				
<b>Cover rosette</b>					
	Metal, for bracket base 60 x 10 mm (when installing on finished floor).				
	White	ZB0312 0001	1	piece	30.49 / piece
	Colour	ZB0312*	1	piece	38.11 / piece
	* Please state colour when ordering				
<b>Cover rosette</b>					
	Plastic, for stand pipe 60 x 10 mm (when installing on unfinished floor).				
	White	ZB0373 0001	1	piece	8.18 / piece
	Colour	ZB0373*	1	piece	10.23 / piece
	* Please state colour when ordering				
<b>Cover rosette</b>					
	Plastic, for stand pipe 60 x 10 mm (when installing on finished floor).				
	White	ZB0374 0001	1	piece	17.27 / piece
	Colour	ZB0374*	1	piece	21.59 / piece
	* Please state colour when ordering				

# Fixing accessories for convectors

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT																																						
<b>Frame bracket</b>																																											
	<p>For convector types KNN, KNV, KSN, KSV (possible for types KNN21, KNV21, KNN22, KNV22 as welded-on version).</p> <p>Also for stock convectors. For unfinished floor or finished floor mounting. Additional use as seat. Bench not included in delivery programme.</p> <p><b>Please note:</b> For number of brackets, see page 95.</p>																																										
	<p><b>Dimensions of brackets</b></p> <table border="1"> <thead> <tr> <th>Convector type</th> <th colspan="4">KNx32 / KSx22</th> <th colspan="4">KNx43 / KSx33</th> <th colspan="4">KNx54 / KSx44 / KSx55</th> </tr> </thead> <tbody> <tr> <td>Depth in mm</td> <td colspan="4">131</td> <td colspan="4">192</td> <td colspan="4">253</td> </tr> <tr> <td>Width in mm</td> <td>110</td> <td>180</td> <td>250</td> <td>320</td> <td>110</td> <td>180</td> <td>250</td> <td>320</td> <td>110</td> <td>180</td> <td>250</td> <td>320</td> </tr> </tbody> </table>	Convector type	KNx32 / KSx22				KNx43 / KSx33				KNx54 / KSx44 / KSx55				Depth in mm	131				192				253				Width in mm	110	180	250	320	110	180	250	320	110	180	250	320			
Convector type	KNx32 / KSx22				KNx43 / KSx33				KNx54 / KSx44 / KSx55																																		
Depth in mm	131				192				253																																		
Width in mm	110	180	250	320	110	180	250	320	110	180	250	320																															
<b>Suitable for requirement class II and III.</b>																																											
<b>Visible parts White</b>																																											
Bracket for types KNN32/KNV32/KSN22/KSV22 T = 131 mm, H = 110 mm		ZB0035 0001	1	piece	81.30 / piece																																						
Bracket for types KNN32/KNV32/KSN22/KSV22 T = 131 mm, H = 180 mm		ZB0035 0002	1	piece	81.30 / piece																																						
Bracket for types KNN32/KNV32/KSN22/KSV22 T = 131 mm, H = 250 mm		ZB0035 0003	1	piece	81.30 / piece																																						
Bracket for types KNN32/KNV32/KSN22/KSV22 T = 131 mm, H = 320 mm		ZB0035 0010	1	piece	81.30 / piece																																						
Bracket for types KNN43/KNV43/KSN33/KSV33 T = 192 mm, H = 110 mm		ZB0035 0004	1	piece	81.30 / piece																																						
Bracket for types KNN43/KNV43/KSN33/KSV33 T = 192 mm, H = 180 mm		ZB0035 0005	1	piece	81.30 / piece																																						
Bracket for types KNN43/KNV43/KSN33/KSV33 T = 192 mm, H = 250 mm		ZB0035 0006	1	piece	81.30 / piece																																						
Bracket for types KNN43/KNV43/KSN33/KSV33 T = 192 mm, H = 320 mm		ZB0035 0011	1	piece	81.30 / piece																																						
Bracket for types KSN44/KSV44/KNN54/KNV54/KSN55/KSV55 T = 253 mm, H = 110 mm		ZB0035 0007	1	piece	81.30 / piece																																						
Bracket for types KSN44/KSV44/KNN54/KNV54/KSN55/KSV55 T = 253 mm, H = 180 mm		ZB0035 0008	1	piece	81.30 / piece																																						
Bracket for types KSN44/KSV44/KNN54/KNV54/KSN55/KSV55 T = 253 mm, H = 250 mm		ZB0035 0009	1	piece	81.30 / piece																																						
Bracket for types KSN44/KSV44/KNN54/KNV54/KSN55/KSV55 T = 253 mm, H = 320 mm		ZB0035 0012	1	piece	81.30 / piece																																						
<b>Visible parts colour</b>																																											
* Please state colour, type, and height of frame bracket when ordering		ZB0035*	1	piece	101.63 / piece																																						


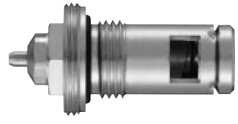



T = depth, H = height











Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>Fixing set for frame bracket</b>					
	<p><b>Set consisting of:</b>            2 threaded rods,            2 cap nuts,            2 nuts,            4 washers,            4 protective caps,            2 sound insulation layers.</p> <p><b>Please note:</b> For number of brackets, see page 95.</p>				
	For convectors height 70 mm	ZB0036 0001	1	piece	7.28 / piece
	For convectors height 140 mm	ZB0036 0002	1	piece	7.28 / piece
	For convectors height 210 mm	ZB0036 0003	1	piece	7.28 / piece
	For convectors height 280 mm	ZB0036 0004	1	piece	7.28 / piece
<b>Mounting support for frame bracket</b>					
	<p>For the number of mounting supports required to provide a shift restraint for the frame bracket, see page 95.            Can not be used with linear grille ZA0010.</p> <p><b>Set consisting of 4 pcs.</b></p>				
	Visible parts White	ZB0295 0001	4	piece	5.63 / piece
	Visible parts colour	ZB0295*	4	piece	7.04 / piece
	* Please state colour when ordering				
<b>Floor bracket</b>					
	<p>For convector types KNN and KSN            with or without thermostat cutout.            For two-pipe connection, from bottom, on alternating sides.            Available for other types of connection on request.            Installation height 120 mm.            Number of brackets as specified on page 95.            Retrofitting not possible.            Order only in combination with the convector.            Thermostatic sensor head cutout: 58 mm.</p> <p><b>The convector must be ordered with the note "for floor bracket".</b></p>				
	<b>Floor bracket with cutout for valve</b>				
	White	ZB0227*	1	piece	101.84 / piece
	Colour	ZB0227*	1	piece	127.30 / piece
	* Please state colour and type when ordering				
	<b>Floor bracket without cutout for valve</b>				
	White	ZB0228*	1	piece	101.84 / piece
	Colour	ZB0228*	1	piece	127.30 / piece
	* Please state colour and type when ordering				

Suitable for requirement class II and III.

# Convector accessories

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT																																																																																								
<b>k<sub>V</sub> insert standard</b>																																																																																													
	<p>k<sub>V</sub> insert Kerמי V3K-S (standard valve) with continuously opening adjustable flange, 8 main k<sub>V</sub> settings and 7 intermediate settings. Fits all Kerמי valve convectors produced after 01/2001.</p> <p><b>Certified according to EN 215</b> (Register No. 6T0002)</p>																																																																																												
		ZV0004 0001	1	piece	16.93 / piece																																																																																								
<b>k<sub>V</sub> insert for low quantities of water (district heating installations)</b>																																																																																													
	<p>k<sub>V</sub> insert Kerמי V3K-F (fine pressure adjustment valve) with continuously opening adjustable flange, 8 main k<sub>V</sub> settings and 7 intermediate settings. Fits all Kerמי valve convectors produced after 01/2001.</p> <p><b>Certified to EN 215</b> (Register No. 6T0002 + 6T0006).</p>																																																																																												
		ZV0005 0001	1	piece	16.93 / piece																																																																																								
<b>Insert with dynamic flow control</b>																																																																																													
	<p>Use Kerמי V7K-L with dynamic flow control. Adjustable from 15 to 160 l/h at a differential pressure of 150 mbar.</p> <p><b>Please note:</b> Perceptible noises can occur in the valve during normal operation at a differential pressure &gt; 150 mbar.</p>																																																																																												
		ZV0171 0001	1	piece	43.79 / piece																																																																																								
<b>k<sub>V</sub> adjustment key</b>																																																																																													
																																																																																													
		ZV0036 0001	1	piece	4.41 / piece																																																																																								
<b>Safety device for grating cover and linear grille to be retrofitted</b>																																																																																													
	<p>For convectors with grating cover or linear grille.</p> <p><b>Set consisting of 2 pcs.</b></p> <p><b>Number of locking screws depends on the convector size</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th colspan="2">KNx21</th> <th colspan="2">KNx22</th> <th colspan="2">KNx32</th> <th colspan="2">KNx43</th> <th colspan="2">KNx54</th> </tr> <tr> <th>KSx22</th> <th>KSx33</th> <th>KSx44</th> <th>KSx55</th> <th>KSx22</th> <th>KSx33</th> <th>KSx44</th> <th>KSx55</th> <th>KSx22</th> <th>KSx33</th> </tr> </thead> <tbody> <tr> <td><b>Length mm</b></td> <td colspan="10"><b>Number of sets of locks (2 locks in a set)</b></td> </tr> <tr> <td><b>0 - 1000</b></td> <td>1</td><td>2</td><td>2</td><td>3</td><td>3</td><td>4</td><td>4</td><td>5</td> <td></td><td></td> </tr> <tr> <td><b>1001 - 2000</b></td> <td>2</td><td>3</td><td>3</td><td>5</td><td>5</td><td>6</td><td>6</td><td>8</td> <td></td><td></td> </tr> <tr> <td><b>2001 - 3000</b></td> <td>2</td><td>4</td><td>4</td><td>6</td><td>6</td><td>8</td><td>8</td><td>10</td> <td></td><td></td> </tr> <tr> <td><b>3001 - 4500</b></td> <td>3</td><td>6</td><td>6</td><td>9</td><td>9</td><td>12</td><td>12</td><td>16</td> <td></td><td></td> </tr> <tr> <td><b>4501 - 6000</b></td> <td>4</td><td>8</td><td>8</td><td>12</td><td>12</td><td>16</td><td>16</td><td>20</td> <td></td><td></td> </tr> </tbody> </table>	Type	KNx21		KNx22		KNx32		KNx43		KNx54		KSx22	KSx33	KSx44	KSx55	KSx22	KSx33	KSx44	KSx55	KSx22	KSx33	<b>Length mm</b>	<b>Number of sets of locks (2 locks in a set)</b>										<b>0 - 1000</b>	1	2	2	3	3	4	4	5			<b>1001 - 2000</b>	2	3	3	5	5	6	6	8			<b>2001 - 3000</b>	2	4	4	6	6	8	8	10			<b>3001 - 4500</b>	3	6	6	9	9	12	12	16			<b>4501 - 6000</b>	4	8	8	12	12	16	16	20							
Type	KNx21		KNx22		KNx32		KNx43		KNx54																																																																																				
	KSx22	KSx33	KSx44	KSx55	KSx22	KSx33	KSx44	KSx55	KSx22	KSx33																																																																																			
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<b>1001 - 2000</b>	2	3	3	5	5	6	6	8																																																																																					
<b>2001 - 3000</b>	2	4	4	6	6	8	8	10																																																																																					
<b>3001 - 4500</b>	3	6	6	9	9	12	12	16																																																																																					
<b>4501 - 6000</b>	4	8	8	12	12	16	16	20																																																																																					
	For convectors height 70 mm	ZK0116 0001	2	piece	21.63 / piece																																																																																								
	For convectors height 140 mm	ZK0116 0002	2	piece	21.63 / piece																																																																																								
	For convectors height 210 mm	ZK0116 0003	2	piece	21.63 / piece																																																																																								
	For convectors height 280 mm	ZK0116 0004	2	piece	21.63 / piece																																																																																								

# Screw connections

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>One-pipe valve, straight</b>					
	<p>50 mm hub distance. With ball shut-off valve for valve radiator with 3/4" external thread (euro taper). Pipe side with 3/4" euro taper for connection of copper, mild steel, stainless steel, plastic, and metal composite pipes in combination with suitable clamp screw connections. With non-return valve. Can be shut off.</p>	ZV0104 0001	1	piece	42.71 / piece
<b>One-pipe valve, angled</b>					
	<p>50 mm hub distance. With ball shut-off valve for valve radiator with 3/4" external thread (euro taper). Pipe side with 3/4" euro taper for connection of copper, mild steel, stainless steel, plastic, and metal composite pipes in combination with suitable clamp screw connections. With non-return valve. Can be shut off.</p>	ZV0106 0001	1	piece	42.71 / piece
<b>Two-pipe valve, straight</b>					
	<p>50 mm hub distance. With ball shut-off valve for valve radiator with 3/4" external thread (euro taper). Pipe side with 3/4" euro taper for connection of copper, mild steel, stainless steel, plastic, and metal composite pipes in combination with suitable clamp screw connections. Can be shut off.</p>	ZV0105 0001	1	piece	21.61 / piece
<b>Two-pipe valve, angled</b>					
	<p>50 mm hub distance. With ball shut-off valve for valve radiator with 3/4" external thread (euro taper). Pipe side with 3/4" euro taper for connection of copper, mild steel, stainless steel, plastic, and metal composite pipes in combination with suitable clamp screw connections. Can be shut off.</p>	ZV0107 0001	1	piece	21.61 / piece
<b>Cover rosette for fitting, straight</b>					
	Cover rosette for two-pipe valve, straight. Can be shut off (ZV01050001).				
	White	ZA0106 0001	1	piece	12.14 / piece
	chrome	ZA0106 0002	1	piece	15.05 / piece
<b>Cover rosette for fitting, angled</b>					
	Cover rosette for 2-pipe valve, angled. Can be shut off (ZV01070001).				
	White	ZA0107 0001	1	piece	12.14 / piece
	chrome	ZA0107 0002	1	piece	15.05 / piece

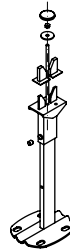
Technical data



# Floor fixing

## Universal bracket set ZB0018\* standing installation

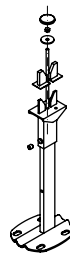
Requirement class II



Type	KNx21	KNx22	KSx22	KNx32	KSx33	KNx43	KSx44	KNx54	KSx55
Length	Number of brackets								
-2000	2	2	2	2	2	4	4	4	4
-3600	3	3	3	3	3	6	6	6	6
-4800	4	4	4	4	4	8	8	8	8
-6000	5	5	5	5	5	8	8	8	8

## Universal bracket set ZB0018\* standing installation

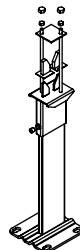
Requirement class III



Type	KNx21	KNx22	KSx22	KNx32	KSx33	KNx43	KSx44	KNx54	KSx55
Length	Number of brackets								
-2000	-	-	-	-	-	4	4	4	4
-3600	-	-	-	-	-	6	6	6	6
-4800	-	-	-	-	-	8	8	8	8
-6000	-	-	-	-	-	8	8	8	8

## Soil stand bracket ZB0362\* standing installation

Requirement class II and III



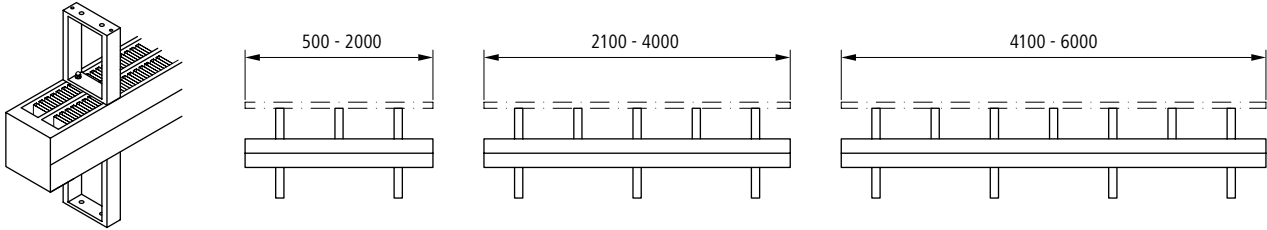
Type	KNx21	KNx22	KSx22	KNx32	KSx33	KNx43	KSx44	KNx54	KSx55
Length	Number of brackets								
-2000	2	2	2	2	2	4	4	4	4
-3600	3	3	3	3	3	6	6	6	6
-4800	4	4	4	4	4	8	8	8	8
-6000	5	5	5	5	5	8	8	8	8

Please note: "x" optionally for V = valve or N = standard

# Floor fixing

## Frame bracket Z0035\* Floor and seat support

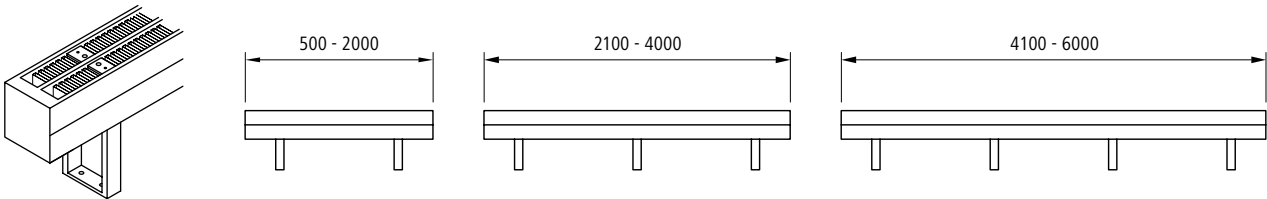
Requirement class II and III



Type	For all types KNx/KSx			
Length mm	Number of brackets base at bottom	Number of brackets seat at top	Number of fixing sets ZB0036*	Number of mounting supports frame bracket ZB0295*
500–2000	2	3	3	3
2100–4000	3	5	5	5
4100–6000	4	7	7	7

## Frame bracket Z0035\* Floor support

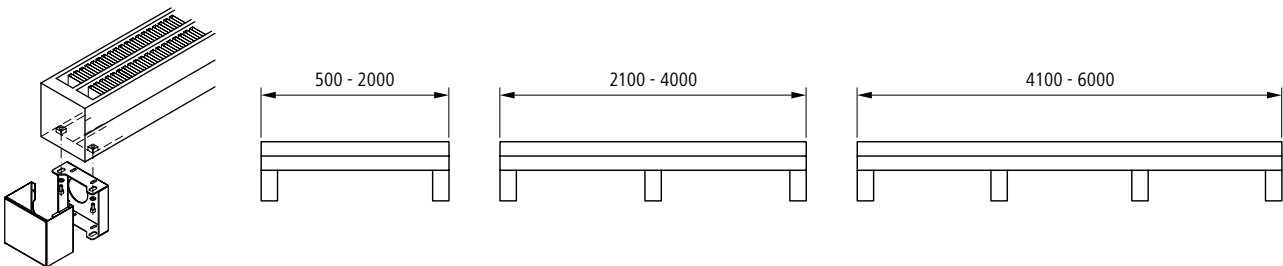
Requirement class II and III



Type	For all types KNx/KSx		
Length mm	Number of brackets base at bottom	Number of fixing sets ZB0036*	Number of mounting supports frame bracket ZB0295*
500–2000	2	2	2
2100–4000	3	3	3
4100–6000	4	4	4

## Floor bracket ZB0227\* / ZB0228\*

Requirement class II and III



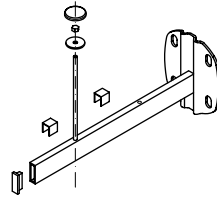
Type	For all types KNx/KSx
Length mm	Number of brackets floor brackets
500–2000	2
2100–4000	3
4100–6000	4

**Please note:** You need to order the convector with the note " for floor bracket".  
 "x" optionally for V = valve or N = standard

# Wall fixing

## Universal bracket set ZB0018\* wall installation

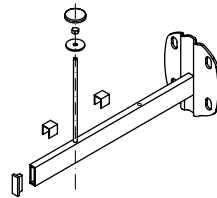
Requirement class II



Type	KNx21	KNx22	KNx32	KNx43	KNx54
Length	Number of brackets				
-800	2	2	2	2	2
-1300	2	2	2	3	3
-1700	3	3	3	4	4
-2000	3	3	3	5	5
-2200	3	3	3	5	5
-2600	4	4	4	6	6
-2800	4	4	4	7	7
-3000	5	5	5	7	7
-3400	5	5	5	8	8
-3800	6	6	6	9	9
-4000	6	6	6	10	10
-4200	7	7	7	10	10
-4600	7	7	7	11	11
-5000	8	8	8	12	12
-5400	8	8	8	-	-
-6000	9	9	9	-	-

## Universal bracket set ZB0018\* wall installation

Requirement class III



Type	KNx21	KNx22	KNx32	KNx43	KNx54
Length	Number of brackets				
-500	2	2	2	2	2
-800	2	2	2	3	3
-1100	3	3	3	4	4
-1300	3	3	3	5	5
-1600	4	4	4	6	6
-1700	4	4	4	7	7
-1900	5	5	5	7	7
-2200	5	5	5	8	8
-2400	6	6	6	9	9
-2600	6	6	6	10	10
-2800	7	7	7	10	10
-3000	7	7	7	11	11
-3200	8	8	8	12	12
-3400	8	8	8	-	-
-3800	9	9	9	-	-
-4200	10	10	10	-	-
-4600	11	11	11	-	-
-5000	12	12	12	-	-

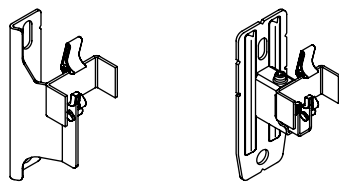
Please note: "x" optionally for V = valve or N = standard



Wall bracket set short ZB0282\* distance to wall 35–45 mm

Requirement class II

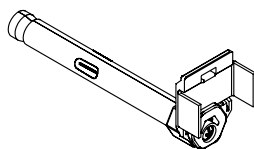
Wall bracket set variable ZB0287\* distance to wall 45–60 mm (only for height 280 mm)



Type	KNx21			
Length	Height 280 mm			
	Number of brackets	Number of spacers	Number of brackets	Number of spacers
500–2000	2	2	2	2
2100–3600	3	3	3	3
3700–4800	4	4	4	4
4900–6000	5	5	5	5

Built-into-wall bracket set ZB0276\* (only for height 280 mm)

Requirement class II



Type	KNx21			
Length	Height 280 mm			
	Number of brackets	Number of spacers	Number of brackets	Number of spacers
500–2000	2	2	2	2
2100–3600	3	3	3	3
3700–4800	4	4	4	4
4900–6000	5	5	5	5

Please note: "x" optionally for V = valve or N = standard

### Note on fixing, wall installation

The number of fixing points depends on the respective size of the convector.

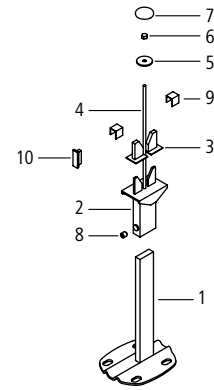
**For wall installation:** The number of fixing points is determined by testing on a wall made of perforated lightweight bricks T14 with 15 mm depth of plaster. Wall-building material needs to be tested on site for sufficient load-bearing capacity.

# Installation brackets

## Universal bracket set ZB0018\*

### Scope of delivery universal brackets

Pos.	Name	Quantity
1	Bracket base 30 × 10	1
2	Support bracket 30 × 10	1
3	Sound insulation layer	2
4	Threaded rod M5	1
5	Clamp plate small	1
6	Cap nut M5	1
7	Cap Ø 28 mm	1
8	Grub screw M8	1
9	U-shaped insert	2
10	Cover plug 30 x 10	1
	Assembly instructions	1

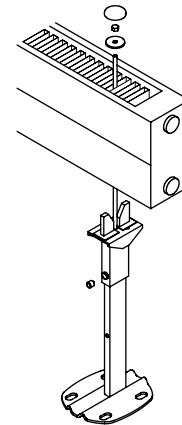


## Floor fixing (ZB00180001 / ZB00180002)

Number of brackets per length and convector type see page 94 "Floor fixing".

### Requirement from universal bracket set ZB0018\*

Name	Quantity	Floor fixing
Bracket base 30 × 10	1	●
Support bracket 30 × 10	1	●
Sound insulation layer	2	●
Threaded rod M5	1	●
Clamp plate small	1	●
Cap nut M5	1	●
Cap Ø 28 mm	1	●
Grub screw M8	1	●
U-shaped insert	2	
Cover plug 30 x 10	1	
Assembly instructions	1	●



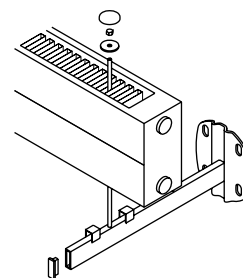
## Wall fixing (ZB00180001)

Only possible with universal bracket ZB00010001 (wall installation), pipe length 300 mm.

Number of brackets per length and convector type see page 96 "Wall fixing".

### Requirement from universal bracket set ZB0018\*

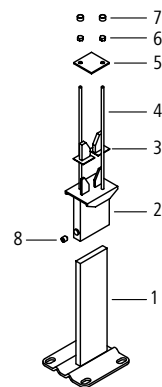
Name	Quantity	Wall fixing
Bracket base 30 × 10	1	●
Support bracket 30 × 10	1	
Sound insulation layer	2	
Threaded rod M5	1	●
Clamp plate small	1	●
Cap nut M5	1	●
Cap Ø 28 mm	1	●
Grub screw M8	1	
U-shaped insert	2	●
Cover plug 30 x 10	1	●
Assembly instructions	1	●



## Soil stand bracket ZB03620001

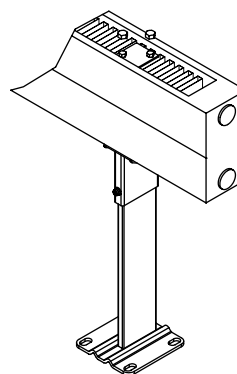
### Soil stand bracket scope of delivery

Pos.	Name	Quantity
1	Bracket base 60 × 10	1
2	Support bracket 30 × 10	1
3	Sound insulation layer	2
4	Threaded rod M5	2
5	Clamp plate large	1
6	Cap nut M5	2
7	Cap Ø 9 mm	2
8	Grub screw M8	1
	Assembly instructions	1



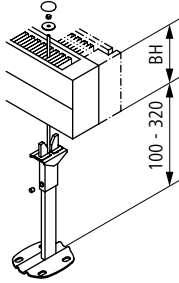
### Floor fixing

Number of brackets per length and convector type  
see page 94 "Floor fixing".



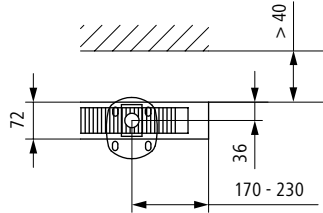
# Floor installation for universal bracket set ZB0018\*

## Type KNx/KSx



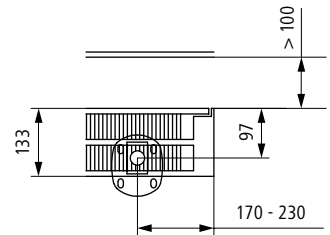
## Installation in front of wall

Type: KNx21

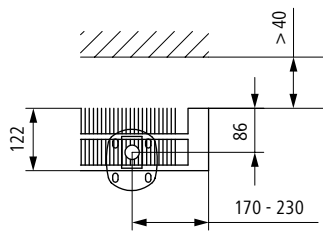


## Installation in front of glass

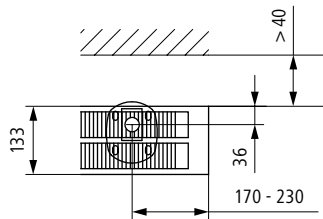
Type: KSx22



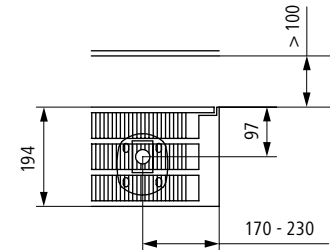
Type: KNx22



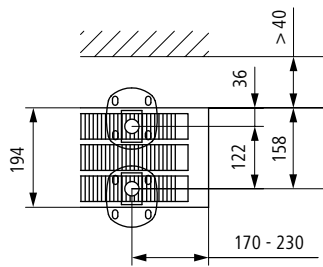
Type: KNx32



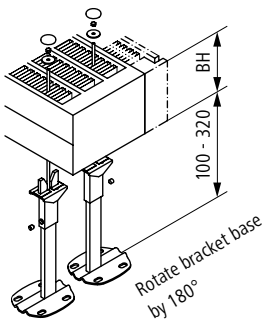
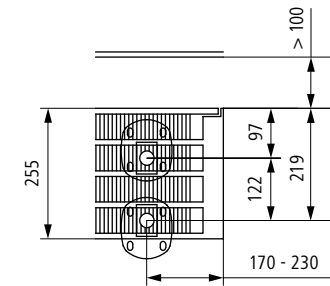
Type: KSx33



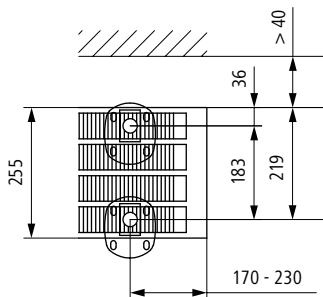
Type: KNx43



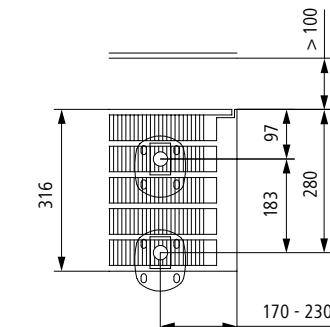
Type: KSx44



Type: KNx54



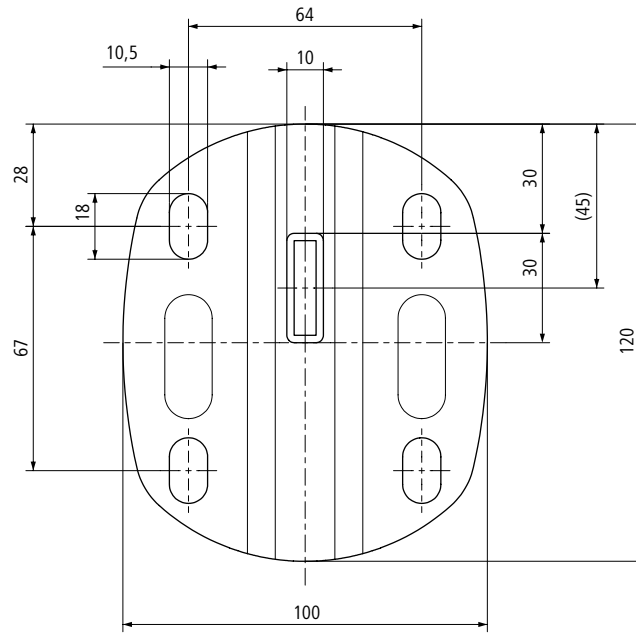
Type: KSx55



Additional information on installation of the universalbracket can be found in the installation instructions.

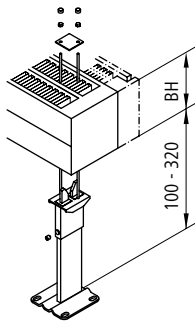
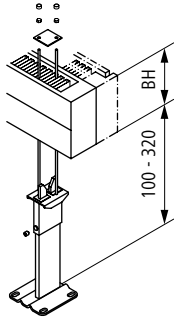
**Please note:** "x" optionally for V = valve or N = standard

## Hole pattern bracket base for universal bracket set ZB0018\*



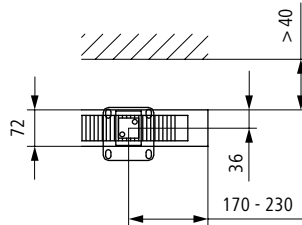
# Floor installation for soil stand bracket ZB0362\*

## Type KNx/KSx

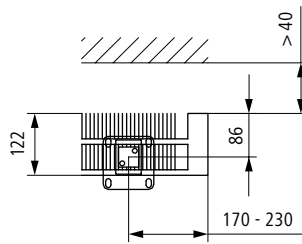


## Installation in front of wall

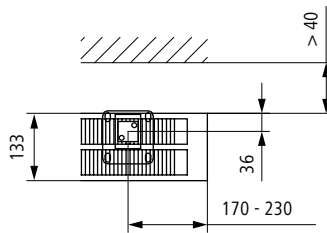
Type: KNx21



Type: KNx22

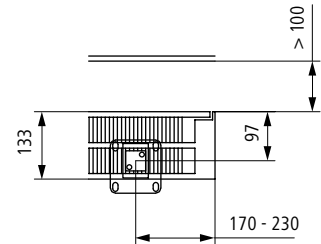


Type: KNx32

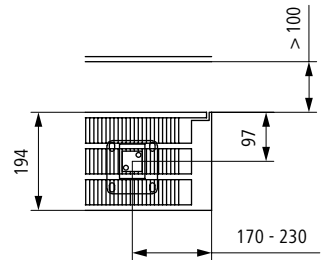


## Installation in front of glass

Type: KSx22



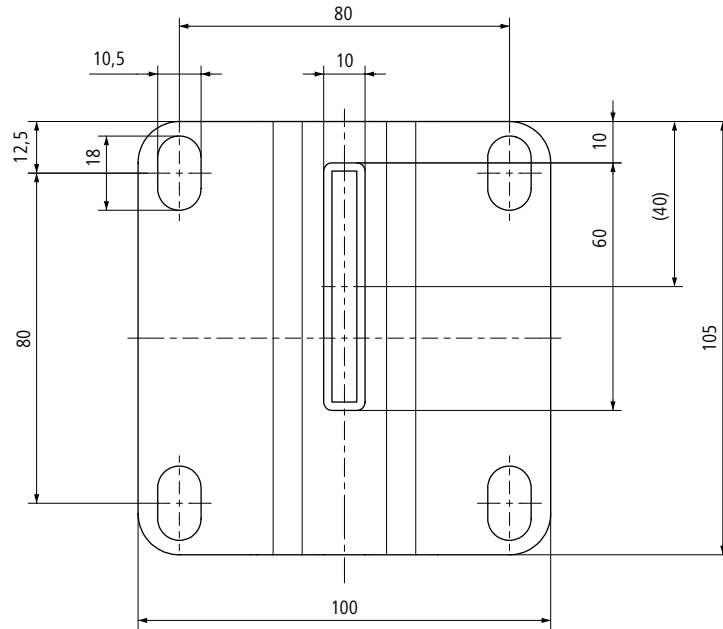
Type: KSx33



Additional information on installation of the soil stand bracket can be found in the installation instructions.

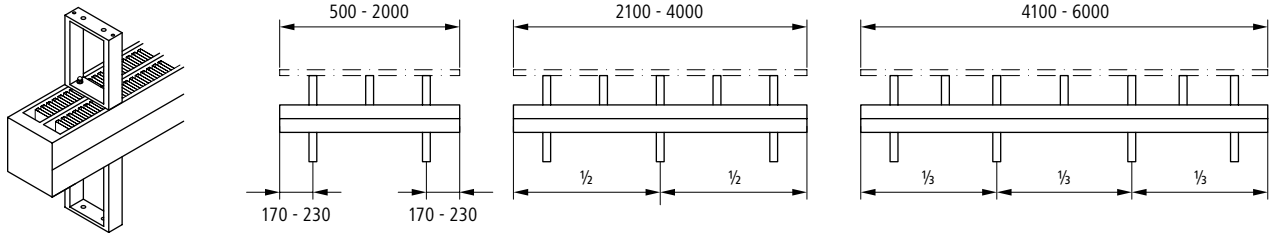
**Please note:** "x" optionally for V = valve or N = standard

## Hole pattern bracket base for soil stand bracket ZB0362\*



# Floor installation for frame bracket ZB0035\*

## Number of base and seat supports

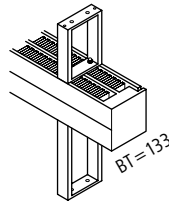
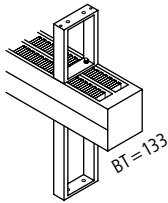


## Floor installation

KNx32

KSx22

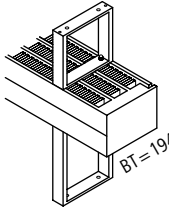
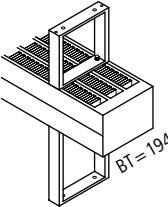
Width 131 mm



KNx43

KSx33

Width 192 mm

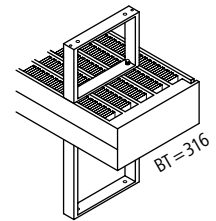
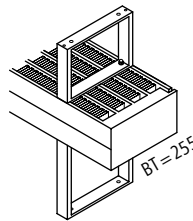
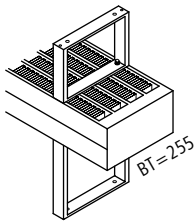


KNx54

KSx44

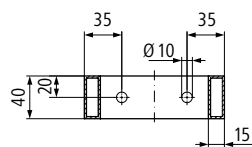
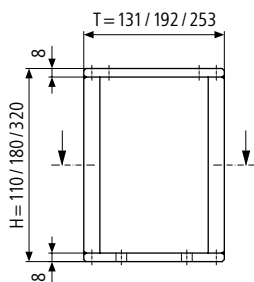
KSx54

Width 253 mm



Side view

Top view



### Frame brackets

Type	Width in mm
KNx32, KSx22	131
KNx43, KSx33	192
KNx54, KSx44, KSx55	253

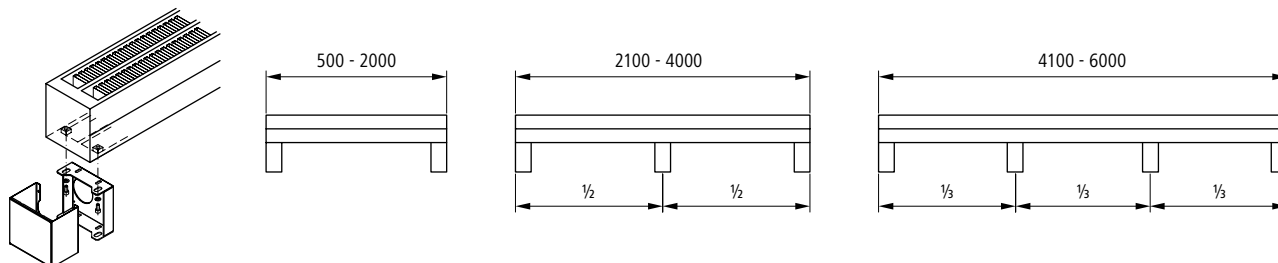
BT/T = depth, H = height, B = width

Please note: "x" optionally for V = valve or N = standard

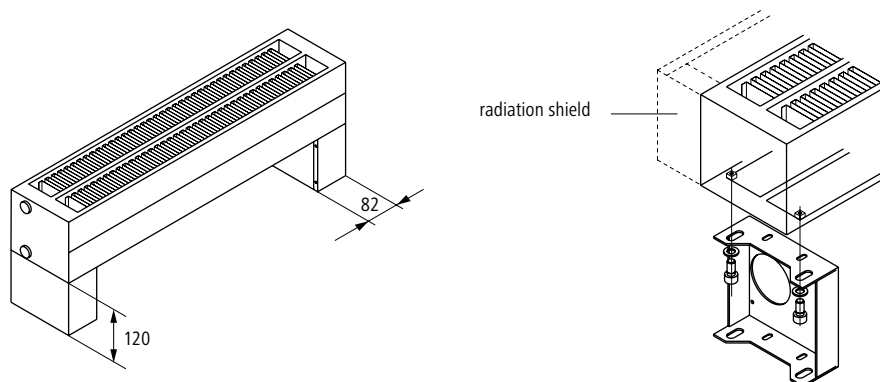


# Floor installation for floor bracket ZB0227\* / ZB0228\*

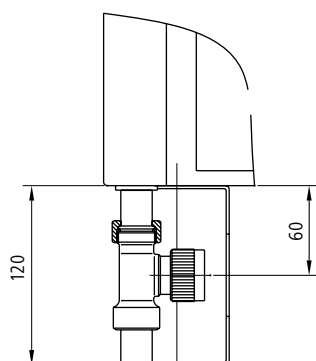
## Number of floor brackets



## Floor installation

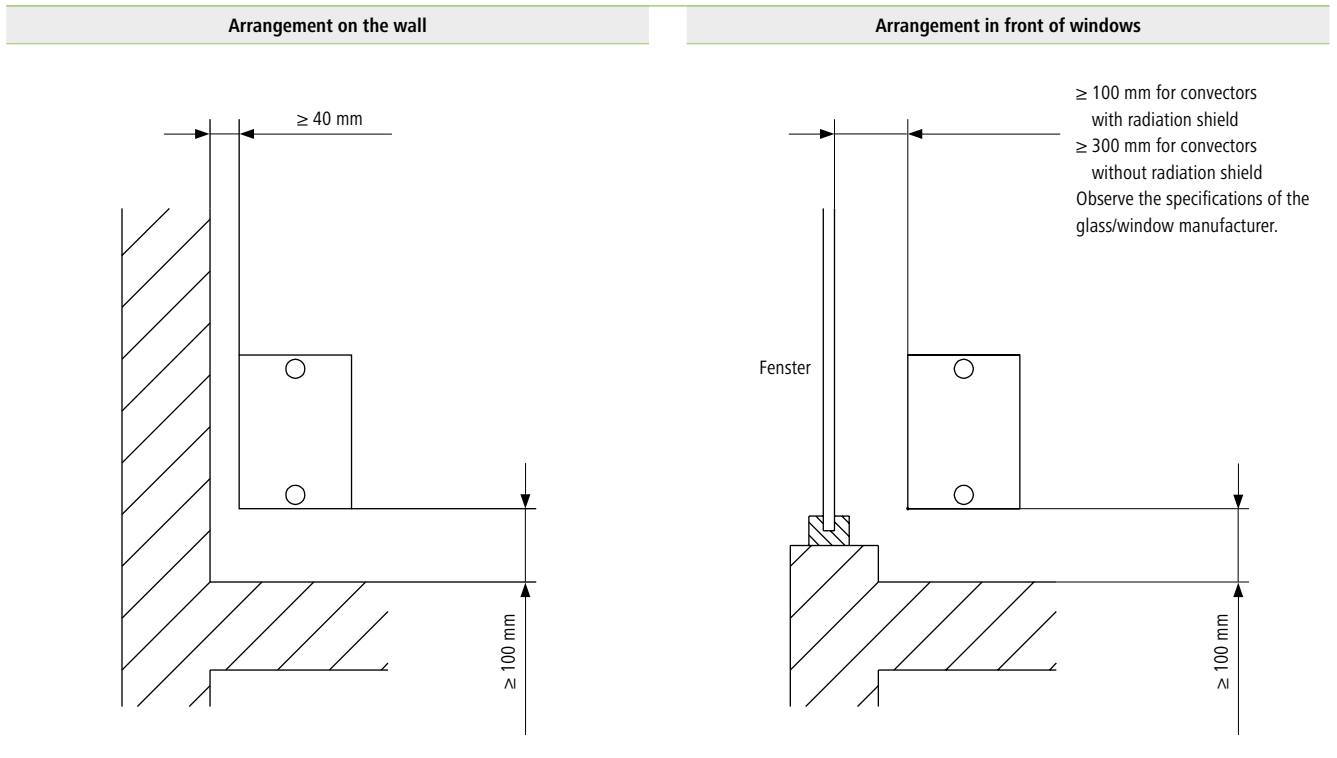


## Connection for floor bracket ZB0227\*

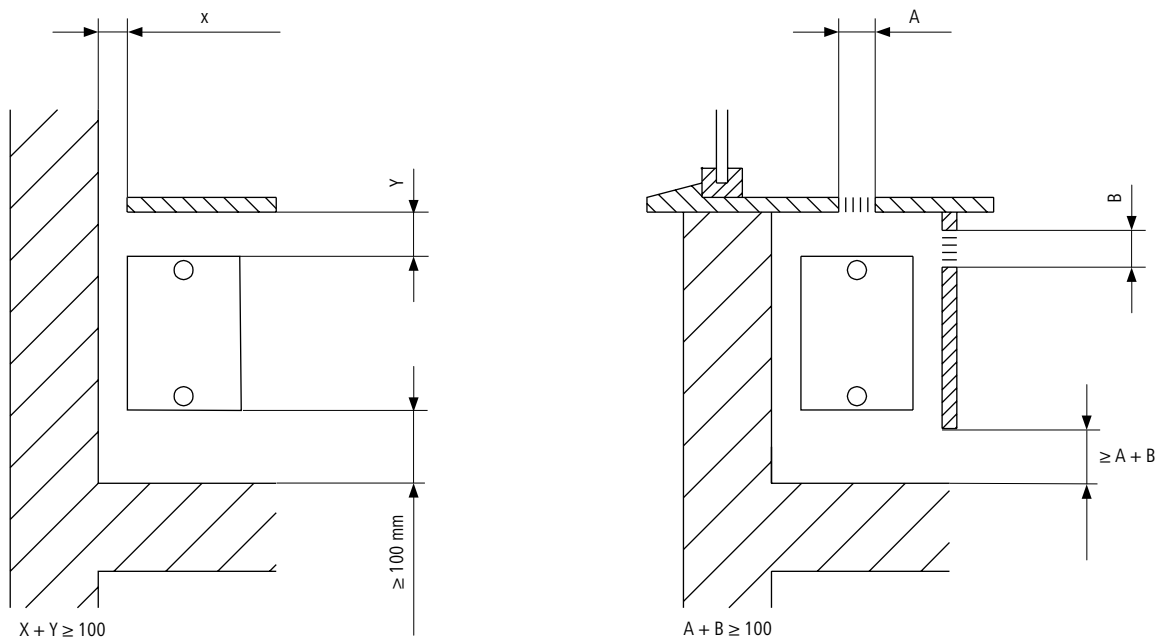


# Distance to wall and floor

## Recommended distance to the wall in mm



## Recommended distance under a cover

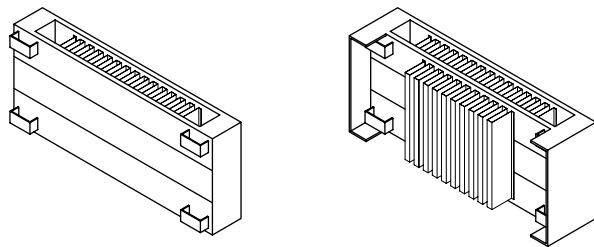


**Please note:** Convectors with large depths (e.g. KNN / KNV 54) will have lower output

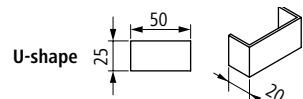
# Arrangement of lugs

## Type KNN21, 22

Connection images (ANB) 12, 34, 14, 32, 24, 42, 69, 89, 66, 88, 20, 40, 60, 80, 99

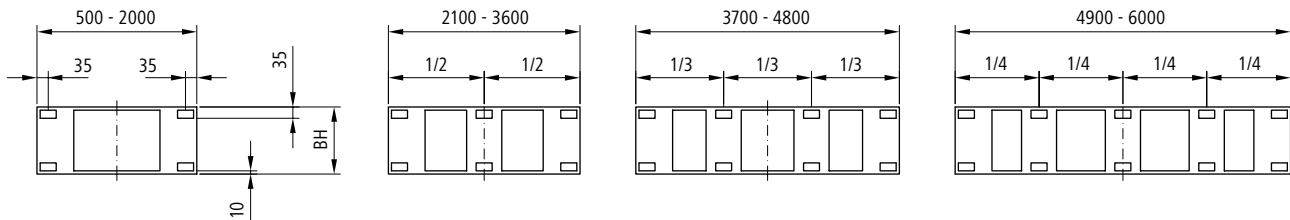


### Lug shapes



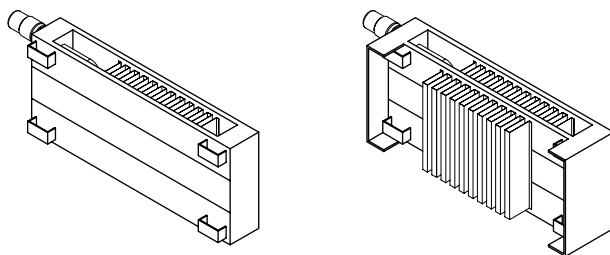
**Please note:** Version with lugs only possible with KNN 21 and KNN 22 from height 140 mm.

### Type KNN21, 22, height 140–280 mm

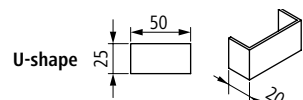


## Type KNV21, 22

Connection image (ANB) SOR

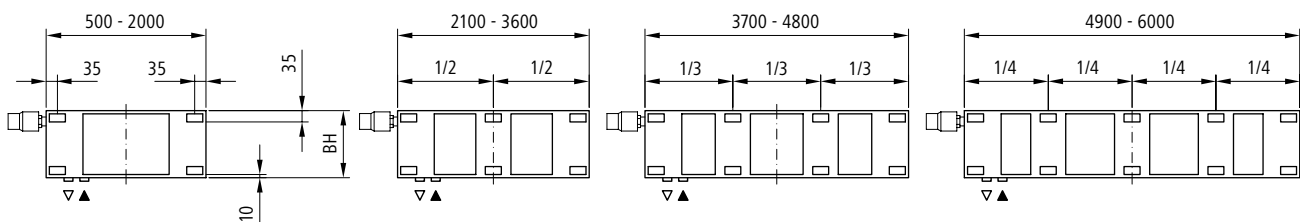


### Lug shapes



**Please note:** Version with lugs only possible with KNV 21 and KNV 22 from height 140 mm.

### Type KNV21, 22, height 140–280 mm



**Please note:** Special brackets available on request.

# Valve technology convectors

## side connection at bottom

### Convectors with integrated valve fitting

A complete valve fitting is integrated on Kermi valve convectors.  
This valve fitting can be used for both one and two-pipe systems.

### Name

**Valve convector:** KNV (valve convector),  
KSV (valve convector with radiation shield)

### Pressure rating / temperature

6 bar and 10 bar at max. 110 °C

### Heights/lengths

70 mm, 140 mm, 210 mm, 280 mm maximum possible lengths  
see pricing section starting on page 64

### Heat output

similar to KNN and KSN  
max. output ( $k_v$  0.84)

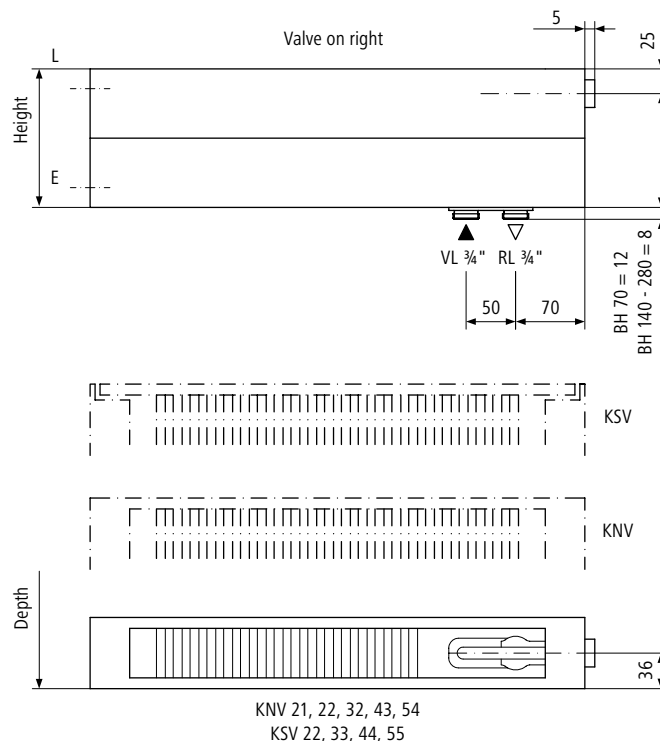
$\Delta p =$	100 mbar	80 mbar
for 75/65/20:	5950 watts	5350 watts
for 70/55/20:	4650 watts	4200 watts

### Connection

$\frac{3}{4}$ " external thread with hub distance of 50 mm, flow inside (similar to Kermi steel panel radiators) all types standard with  $2 \times \frac{1}{2}$ " for air vent and drain. The connections are positioned 36 mm behind the outer edge of the front wall on all types (KNV, KSV).

Technical data similar to KNN and KSN.

## Range overview – side connection at bottom



BH = height, VL = flow, RL = return

**Product advantage:** Pre-set valves ensure the best control, adjusted to the respective heat output. Assignment of  $k_v$  values see from p. 114.

**Please note:** \* Maximum possible lengths see price list from p. 64.

### Attention!

**One-pipe system:** When connecting to one-pipe systems, a fitting with an integrated, adjustable bypass is absolutely essential. For use in a one-pipe system, the adjustable part of the valve insert must be rotated to position 8. The adjustment key suitable for this purpose is available as an accessory. All commercially available heating pipes (copper, mild steel, plastic, stainless steel and plastic metal composite) are connected directly to the valve fitting or to the bypass / screw connection by means of clamp screw connections. Common thermostatic sensor heads can be connected directly or by using adapters

# Valve technology convertors

## centre connection at bottom

### Convertors with integrated valve fitting

A complete valve fitting is integrated on Kermi valve convertors. This valve fitting can be used for both one and two-pipe systems.

### Name

Valve convertor: KNV (valve convertor),  
KSV (valve convertor with radiation shield)

### Pressure rating / temperature

6 bar and 10 bar at max. 110 °C

### Heights/lengths

140 mm, 210 mm, 280 mm, max. 2000 mm lengths  
Lengths > 2 m available after technical clarification.

### Heat output

similar to KNN and KSN  
max. output ( $k_v$  0.84)

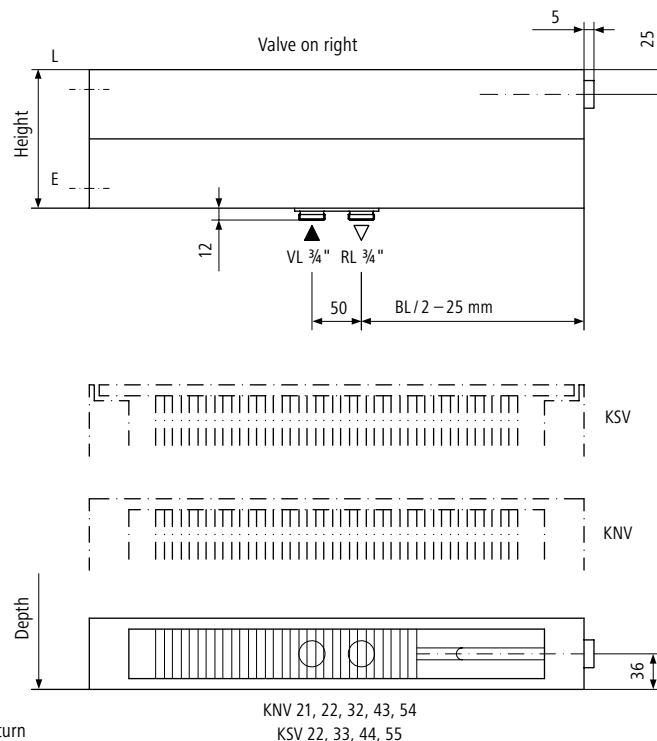
$\Delta p =$	100 mbar	80 mbar
for 75/65/20:	5950 watts	5350 watts
for 70/55/20:	4650 watts	4200 watts

### Connection

$\frac{3}{4}$ " external thread with hub distance of 50 mm, flow on left (similar to Kermi steel panel radiators) all types standard with  $2 \times \frac{1}{2}$ " for air vent and drain. The connections are positioned 36 mm behind the outer edge of the front wall on all types (KNV, KSV). Connection images MOL/MOR not possible for height 70. With centre connection with head left or right, the flow always remains on the left.

### Technical data similar to KNN and KSN.

## Range overview – centre connection at bottom



BL = length BH = height, VL = flow, RL = return

**Product advantage:** Pre-set valves ensure the best control, adjusted to the respective heat output. Assignment of  $k_v$  values see from p. 114.

### Attention!

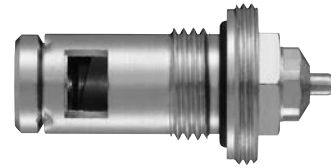
**One-pipe system:** When connecting to one-pipe systems, a fitting with an integrated, adjustable bypass is absolutely essential. For use in a one-pipe system, the adjustable part of the valve insert must be rotated to position 8. The adjustment key suitable for this purpose is available as an accessory. All commercially available heating pipes (copper, mild steel, plastic, stainless steel and plastic metal composite) are connected directly to the valve fitting or to the bypass / screw connection by means of clamp screw connections. Common thermostatic sensor heads can be connected directly or by using adapters

# Valve technology – Standard valve

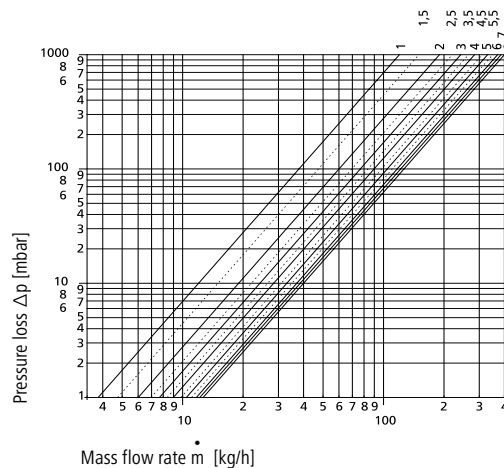
## Valve technology – standard valve V3K-S

Kermi valve radiators are equipped for use in two-pipe systems at the factory. Depending on its heat output, every radiator is equipped with a preset valve insert. In addition, the preset  $k_V$  value is highlighted in colour on the front (see table).

Please note: Preset thermostatic valves satisfy the requirements of the Energy Saving Ordinance (EnEV) and according to DIN 4701-10 can be designed with 1 or 2 K proportional deviation as desired. Certified according to EN 215.



## Setup diagram for a system deviation of 1 K



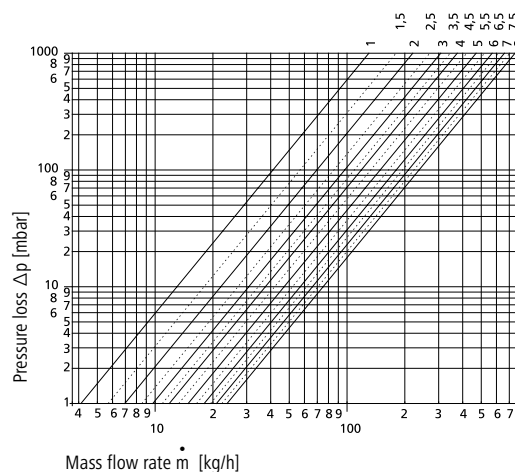
Please note: The pressure loss across the valve is taken into account in this diagram.

### Valve insert V3K S $k_V$ value table

Setting	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
$k_V$ value to	0.12	0.15	0.19	0.22	0.24	0.27	0.28	0.31	0.33	0.35	0.37	0.38	0.39	0.39	0.40
Colour*	White				Red				Black				Blue		

\* visual identification of the  $k_V$  value factory preset

## Setup diagram for a system deviation of 2 K



Please note: The pressure loss across the valve is taken into account in this diagram.

### Valve insert V3K S $k_V$ value table

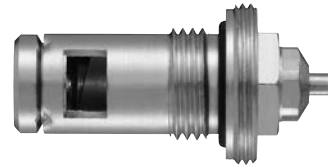
Setting	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
$k_V$ value to	0.13	0.18	0.22	0.27	0.31	0.35	0.38	0.42	0.47	0.52	0.57	0.62	0.66	0.71	0.75
Colour*	White				Red				Black						

\* visual identification of the  $k_V$  value factory preset

# Valve technology – Fine pressure adjustment valve

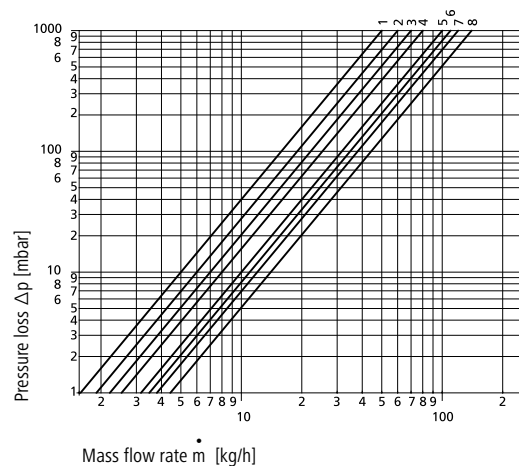
## Valve technology – fine adjustment V3K-F

Kermi valve radiators can also be equipped with a fine pressure adjustment valve. The adjustable valve insert enables reproducible settings of low water flow rates, which are required primarily in district heating installations with large temperature spreads. The setting values can be taken from the diagram.



Please note: Preset thermostatic valves satisfy the requirements of the Energy Saving Ordinance (EnEV) and according to DIN 4701-10 can be designed with 1 or 2 K proportional deviation as desired. Certified according to EN 215.

## Setup diagram for a system deviation of 1 K



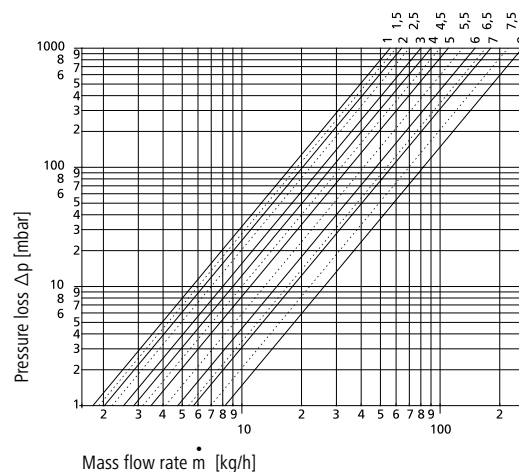
Please note: The pressure loss across the valve is taken into account in this diagram.

### Valve insert V3K-F $k_V$ value table

Setting	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
$k_V$ value to	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.14
Colour*	Yellow														

\* visual identification of the  $k_V$  value factory preset

## Setup diagram for a system deviation of 2 K



Please note: The pressure loss across the valve is taken into account in this diagram.

### Valve insert V3K-F $k_V$ value table

Setting	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
$k_V$ value to	0.06	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.13	0.15	0.17	0.18	0.22	0.26
Colour*	Yellow										Green				

\* visual identification of the  $k_V$  value factory preset

# Valve technology – Valve with dynamic flow control

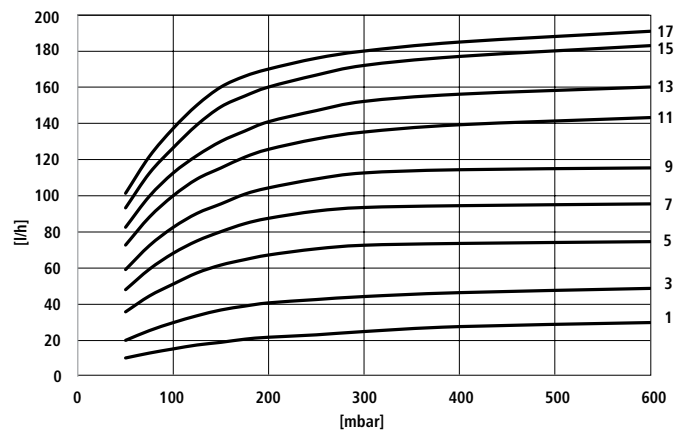
## Valve technology V7K-L

The V7K-L valve keeps set flow values at the radiator constant with integrated dynamic flow control. Independent of the usual differential pressure fluctuations in the pipe system. The V7K-L valve enables a largely differential pressure-independent mode of operation and thus prevents over-supply of the radiators.

**Please note:** Perceptible noises can occur at the valve during normal operation at a differential pressure > 150 mbar.



### Setting diagram



**Please note:** The pressure loss across the valve is taken into account in this diagram.

### Valve insert V7K-L settings

Setting	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
V [l/h]	15	25	35	50	60	70	80	90	95	105	115	120	130	140	150	155	160





# k<sub>v</sub> values for valve convectors

	Type KNV21				Type KNV22				Type KNV32				Type KNV43				Type KNV54			
Depth	72 mm				122 mm				133 mm				194 mm				255 mm			
Height	70	140	210	280	70	140	210	280	70	140	210	280	70	140	210	280	70	140	210	280
Length mm	k <sub>v</sub> preset at factory																			
500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5
600	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.5	5.5	2.5	2.5	2.5	5.5	2.5	2.5	2.5
700	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.5	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5
800	5.5	5.5	5.5	5.5	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5
900	5.5	5.5	5.5	2.5	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	2.5	4.5	4.5
1000	5.5	5.5	5.5	2.5	5.5	2.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	2.5	4.5	6
1100	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	4.5	6	8
1200	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	2.5	4.5	6	2.5	4.5	6	8
1300	5.5	2.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	4.5	4.5	6	2.5	4.5	8	8
1400	5.5	2.5	2.5	2.5	5.5	2.5	2.5	4.5	2.5	2.5	4.5	4.5	2.5	4.5	6	8	2.5	4.5	8	8
1500	5.5	2.5	2.5	2.5	5.5	2.5	2.5	4.5	2.5	2.5	4.5	4.5	2.5	4.5	6	8	4.5	6	8	8
1600	5.5	2.5	2.5	2.5	5.5	2.5	4.5	4.5	2.5	2.5	4.5	6	2.5	4.5	8	8	4.5	6	8	8
1700	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	2.5	4.5	6	2.5	4.5	8	8	4.5	6	8	8
1800	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	4.5	4.5	6	2.5	4.5	8	8	4.5	8	8	8
1900	5.5	2.5	2.5	4.5	2.5	2.5	4.5	6	2.5	4.5	4.5	6	4.5	6	8	8	4.5	8	8	8
2000	2.5	2.5	2.5	4.5	2.5	2.5	4.5	6	2.5	4.5	6	8	4.5	6	8	8	4.5	8	8	8
2200	2.5	2.5	2.5	4.5	2.5	4.5	6	6	2.5	4.5	6	8	4.5	8	8	8	6	8	8	8
2400	2.5	2.5	4.5	4.5	2.5	4.5	6	8	2.5	4.5	8	8	4.5	8	8	8	6	8	8	8
2600	2.5	2.5	4.5	4.5	2.5	4.5	6	8	4.5	6	8	8	4.5	8	8	8	8	8	8	8
2800	2.5	4.5	4.5	6	2.5	4.5	8	8	4.5	6	8	8	6	8	8	8	8	8	8	
3000	2.5	4.5	4.5	6	2.5	6	8	8	4.5	8	8	8	6	8	8	8	8	8		
3200	2.5	4.5	6	8	2.5	6	8	8	4.5	8	8	8	8	8	8	8	8	8		
3400	2.5	4.5	6	8	2.5	6	8	8	4.5	8	8	8	8	8	8		8	8		
3600	2.5	4.5	6	8	2.5	8	8	8	6	8	8	8	8	8	8		8	8		
3800	2.5	4.5	8	8	4.5	8	8	8	6	8	8	8	8	8			8	8		
4000	2.5	6	8	8	4.5	8	8	8	6	8	8	8	8	8			8	8		
4200	2.5	6	8	8	4.5	8	8	8	6	8	8	8	8	8			8			
4400	4.5	6	8	8	4.5	8	8	8	8	8	8		8	8			8			
4600	4.5	6	8	8	4.5	8	8	8	8	8	8		8	8			8			
4800	4.5	8	8	8	4.5	8	8	8	8	8	8		8	8			8			
5000	4.5	8	8	8	4.5	8	8	8	8	8	8		8	8			8			
5200	4.5	8	8	8	4.5	8	8	8	8	8	8		8				8			
5400	4.5	8	8	8	6	8	8		8	8	8		8				8			
5600	4.5	8	8	8	6	8	8		8	8			8				8			
5800	4.5	8	8	8	6	8	8		8	8			8				8			
6000	4.5	8	8	8	6	8	8		8	8			8							

	Type KSV22				Type KSV33				Type KSV44				Type KSV55			
Depth	133 mm				194 mm				255 mm				316 mm			
Height	70	140	210	280	70	140	210	280	70	140	210	280	70	140	210	280
Length mm	k <sub>v</sub> preset at factory															
500	5.5	5.5	5.5	5.5	5.5	5.5	2.5	2.5	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5
600	5.5	5.5	5.5	5.5	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	5.5	2.5	2.5	4.5
700	5.5	5.5	5.5	2.5	5.5	2.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5
800	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	2.5	4.5	6
900	5.5	5.5	2.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	4.5	4.5	6
1000	5.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	2.5	4.5	6	2.5	4.5	6	8
1100	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	2.5	4.5	6	2.5	4.5	8	8
1200	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	4.5	6	8	2.5	6	8	8
1300	5.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	4.5	6	8	2.5	6	8	8
1400	5.5	2.5	2.5	4.5	2.5	4.5	4.5	6	2.5	4.5	8	8	4.5	6	8	8
1500	2.5	2.5	2.5	4.5	2.5	4.5	4.5	6	2.5	4.5	8	8	4.5	8	8	8
1600	2.5	2.5	2.5	4.5	2.5	4.5	6	6	2.5	6	8	8	4.5	8	8	8
1700	2.5	2.5	4.5	4.5	2.5	4.5	6	8	4.5	6	8	8	4.5	8	8	8
1800	2.5	2.5	4.5	4.5	2.5	4.5	8	8	4.5	6	8	8	4.5	8	8	8
1900	2.5	2.5	4.5	4.5	2.5	6	8	8	4.5	8	8	8	4.5	8	8	8
2000	2.5	2.5	4.5	6	2.5	6	8	8	4.5	8	8	8	6	8	8	8
2200	2.5	4.5	4.5	6	4.5	6	8	8	4.5	8	8	8	6	8	8	8
2400	2.5	4.5	6	8	4.5	8	8	8	6	8	8	8	8	8	8	
2600	2.5	4.5	6	8	4.5	8	8	8	6	8	8	8	8	8	8	
2800	2.5	4.5	8	8	4.5	8	8	8	8	8	8	8	8	8		
3000	2.5	6	8	8	6	8	8	8	8	8	8		8	8		
3200	2.5	6	8	8	6	8	8	8	8	8	8		8	8		
3400	4.5	6	8	8	6	8	8	8	8	8			8	8		
3600	4.5	8	8	8	8	8	8	8	8	8			8			
3800	4.5	8	8	8	8	8	8	8	8	8			8			
4000	4.5	8	8	8	8	8	8		8	8			8			
4200	4.5	8	8	8	8	8	8		8	8			8			
4400	4.5	8	8	8	8	8			8	8			8			
4600	6	8	8	8	8	8			8				8			
4800	6	8	8	8	8	8			8				8			
5000	6	8	8	8	8	8			8				8			
5200	6	8	8	8	8	8			8				8			
5400	6	8	8	8	8				8				8			
5600	8	8	8		8				8							
5800	8	8	8		8				8							
6000	8	8	8		8				8							

**Attention!****Two-pipe system:**

Kermi valve convertors are factory-fitted with a valve insert matched to the heat output.  $k_v$  is assigned according to practical test parameters 70/55/20 °C at a differential pressure of 100 mbar. With an identical mass flow ratio, all other temperature pairings that lie on the same characteristic curve in the heating surface dimensioning diagram are also possible. The hydraulic ratios always remain the same.






















**One-pipe system:**

If the valve convertors are used in a one-pipe system, the valve insert should be turned to position "8".

**Identification on valve**












	Position	Colour	k <sub>v</sub> value	Control difference
V3K-F	5.5	yellow	0.10	1 K
	2.5	White	0.22	1 K
V3K-S	4.5	Red	0.31	1 K
	6	Black	0.37	1 K
	8	Blue	0.75	2 K

# Kermi valve history

		Illustration	Thread size	Item number
Danfoss				ZV00340001
Heimeier				ZV00640001 no longer available
Danfoss			M22	ZV00550001 <b>Caution:</b> If replacement valve, only installation of thermostatic sensor heads with snap connection possible
Kermi V1K			M20	ZV00540001 Insert K3 fine pressure adjustment valve no longer available <b>Replacement: ZV00870002</b>
			M20	ZV00540002 Insert K6 no longer available <b>Replacement: ZV00870001</b>
			M20	ZV00540003 Insert K9 no longer available <b>Replacement: ZV00870001</b>
			M20	ZV00870001 <b>Replacement for ZV00540003 and ZV00540002</b>
			M20	ZV00870002 fine pressure adjustment valve <b>Replacement for ZV00540001</b>
	Valve pre-installed in valve connection 		M24	V1K (K3) no longer available <b>Replacement: ZV00620001</b>
	Valve pre-installed in valve connection 		M24	V1K (K6, K9) no longer available <b>Replacement: ZV00630001</b>
			M24	ZV00630001 V3K-S <b>Replacement for V1 K (K6, K9)</b>
			M24	ZV00620001 <b>Replacement for V1 K (K3)</b>

Installation period	preset	adjustable	k <sub>v</sub> adjustment key
1982–1985	no	yes (via orifice plate in flow)	
1985–1988	yes	no (various inserts)	
1988–1991	yes	no (various inserts) yes (on replacement valve)	
1991–02/1999	yes	yes	<b>ZV00350001</b> 
1991–1993	yes	yes	
1991–1993	yes	yes	
1991–1993	yes	yes (may be read from scale)	<b>ZV00360001</b> 
1991–1993	yes	yes (may be read from scale)	
1994–02/1999	yes	yes (may be read from scale)	<b>ZV00350001</b> 
1994–02/1999	yes	yes (may be read from scale)	
1994–02/1999	yes	yes (may be read from scale)	<b>ZV00360001</b> 
1994–02/1999	yes	yes (may be read from scale)	

# Kermi valve history

		Illustration	Thread size	Item number
Kermi V2K			M24	<b>ZV00520001</b> standard valve K3 no longer available  <b>Replacement: ZV00620001</b>
			M24	<b>ZV00520002</b> standard valve K6 <b>ZV00520003</b> standard valve K9 no longer available  <b>Replacement: ZV00630001</b>
			M24	<b>ZV00630001</b>  <b>Replacement for ZV00520002 and ZV00520003</b>
			M24	<b>ZV00620001</b>  <b>Replacement for ZV00520001</b>
Kermi V3K	with aperture and 6 kv settings		½"	<b>Is replaced by:</b> <b>ZV00040001 V3K-S standard valve</b> and <b>ZV00050001 V3K-F fine pressure adjustment valve</b>
	with continuously opening adjustable flange, 8 kv main settings and 7 intermediate settings		½"	<b>ZV00040001</b> V3K-S standard valve Fits all Kermi steel panel valve radiators from production 01/2001 <b>ZV00050001</b> V3K-F fine pressure adjustment valve  <b>Please note:</b> Valve insert V6K-S (ZV017000001) can be replaced by V3K-S (ZV00040001)  For adjustment diagram, see page 110 and 111.
Kermi V4K	with continuously opening adjustable flange, 8 kv main settings and 7 intermediate settings		½"	<b>ZV00450001</b> V4K-S standard valve used in the Kermi valve shut-off block and in design radiators  <b>ZV00120001</b> V4K-F fine pressure adjustment valve

Installation time frame	preset	adjustable	k <sub>v</sub> adjustment key
03/1999–12/2000	yes	yes	ZV00350001 
03/1999–12/2000	yes	yes	
1994–02/1999	yes	yes (may be read from scale)	ZV00360001 
1994–02/1999	yes	yes (may be read from scale)	
2001-03/2004	yes	yes (may be read from scale)	
from 04/2004	yes	yes (may be read from scale)	ZV00360001 
from 04/2004			
since 05/2004	yes	yes	

# Installation of thermostatic sensor heads

## Alternative models to Kermi

### Thermostatic sensor heads

Manufacturer/Type	Model range	Model
Caleffi	200 000	
	201 000	
	204 000	
	204 100	
Comap	IF1	
	Senso RI	
	Sensity RI	
	S2RI	
	6803 FB1	
	Sensitive	
Danfoss	RAW-K	5030, 5032, 5130
Giacomini	R 460 H	
	R 468 H	
	R 470 H	
Herz	1 7260	98
	1 9200	38, 68, 83, 86, 93, 96
	1 9230	18, 98
	1 9260	18, 89, 98
	1 9330	98
	1 9430	98
	1 9460	98
	1 9860	98
	1 9861	48, 98
Honeywell	T 200 Design	T4021, T4321, T4221, T4111
	Thera 3	T6001, T6001C, T6001W0, T6001W0C, T600120, T600120W0, T950120W0, T950150W0
	Thera 4 Classic	T3001, T3001W0, T300120, T300120W0
	Thera 4 Design	T2001, T2001W0, T2021, T2021W0
	Thera-Van	T100VM-101, T100VM-241
	Thera 2080FL	T7001, T7001W0, T7001B3, T700120, T700120W0
	Thera 2080WL	

### Thermostatic sensor heads

Manufacturer/Type	Model range	Model
I.V.A.R	T 1000	
	T 5000	
	Optima	
ICMA	1101	
IMI Hydronic	Head B	
	Head F	
	Head K	
	Head DX	
	Head VK	
	Head WK	
Luxor	TT3000	
Meibes	Startec 2	
	Startec 4	
	Rotherm 2	
Oventrop	Uni CH	
	Uni LH	
	Uni LHB	
	Uni XH	
	Uni XHT	
	Uni XHM	
	Uni SH	
	pinox H	
	vindo TH	
Uni FH		
watts Industries (Cazzaniga)	SE-148	
	SE-148 SD	



# Screw connections

## Screw connections

Manufacturer	Type
Heimeier	Multilux
	Vekolux
	Vecotec
	S-Connection
	Length equalizing piece
HERZ Armatures	Product group Herz 3000 (valve shut-off blocks and connection fittings)
	Connection block, G 3/4" straight; G 3/4" angled
	One-pipe connection block, 3/4" straight; G 3/4" angled
	4-way connection block, G 3/4" straight on one side
	4-way connection block with bridge, G 3/4" straight
Hummel	Universal adapter, G 3/4" straight; G 3/4" angled
	Diverter, G 3/4" straight
	Diverter, 45–76 mm G 3/4" straight
	Diverter with shut-off, G 3/4" straight; G 3/4" angled
	Valve shut-off block
Oventrop	Radiator connection valve "Multiblock T"
	Fitting programme "Multiflex"
	Complete product range of screw connections
Simplex	Complete product range of screw connections
Caleffi	Series 301 valve shut-off block Straight 3/4" external thread No. 30 10 50
	Series 301 valve shut-off block Angled 3/4" external thread No. 30 11 50

DIN EN 16313 defines the interface between the radiator and screw connection. It ensures that all dimensioned products according to this standard are completely compatible and when running, work without any problems. All Kermi connections correspond to DIN EN 16313. The listed manufacturers of screw connections have declared their compatibility with the series mentioned.

# Model names

## Convectors general

Kermi	Arbonia	Zehnder	Vogel & Noot	Bemm
<b>Height 70 mm</b>				
KNN21007	C072	RV211	KK 22	CN2007
KNN22007	C072/1	RV221	KK 23	
KNN32007	C073	RV321	KK 34	CN3007
KNN43007	C074	RV431	KK 46	CN4007
KNN54007	C075	RV541	KK 58	CN5007
<b>Height 140 mm</b>				
KNN21014	C142	RV212	KK 22	CN2014
KNN22014	C142/1	RV222	KK 23	
KNN32014	C143	RV322	KK 34	CN3014
KNN43014	C144	RV432	KK 46	CN4014
KNN54014	C145	RV542	KK 58	CN5014
<b>Height 210 mm</b>				
KNN21021	C212	RV213	KK 22	CN2021
KNN22021	C212/1	RV223	KK 23	
KNN32021	C213	RV323	KK 34	CN3021
KNN43021	C214	RV433	KK 46	CN4021
KNN54021	C215	RV543	KK 58	CN5021
<b>Height 280 mm</b>				
KNN21028	C282	RV214	KK 22	CN2028
KNN22028	C282/1	RV224	KK 23	
KNN32028	C283	RV324	KK 34	CN3028
KNN43028	C284	RV434	KK 46	CN4028
KNN54028	C285	RV544	KK 58	CN5028

This table lists names that Kermi and other manufacturers use for types with certain heights.

Values for other characteristics cannot be assumed on this basis.

## Valve convectors

Kermi	Arbonia	Zehnder	Vogel & Noot	Bemm
<b>Height 70 mm</b>				
KNV21007	C072	RV211 Completo		
KNV22007	C072/1	RV221 Completo		
KNV32007	C073	RV321 Completo		
KNV43007	C074	RV431 Completo		
KNV54007	C075	RV541 Completo		
<b>Height 140 mm</b>				
KNV21014	C142	RV212 Completo	VHV22	CM2014
KNV22014	C142/1	RV222 Completo	VHV23	
KNV32014	C143	RV322 Completo	VHV34	CM3014
KNV43014	C144	RV432 Completo	VHV46	CM4014
KNV54014	C145	RV542 Completo		CM5014
<b>Height 210 mm</b>				
KNV21021	C212	RV213 Completo	VHV22	CM2021
KNV22021	C212/1	RV223 Completo	VHV23	
KNV32021	C213	RV323 Completo	VHV34	CM3021
KNV43021	C214	RV433 Completo	VHV46	CM4021
KNV54021	C215	RV543 Completo		CM5021
<b>Height 280 mm</b>				
KNV21028	C282	RV214 Completo	VHV22	CM2028
KNV22028	C282/1	RV224 Completo	VHV23	
KNV32028	C283	RV324 Completo	VHV34	CM3028
KNV43028	C284	RV434 Completo	VHV46	CM4028
KNV54028	C285	RV544 Completo		CM5028

This table lists names that Kermi and other manufacturers use for types with certain heights.

Values for other characteristics cannot be assumed on this basis.

# Model names

## Convectors with radiation shield

Kermi	Arbonia	Zehnder	Vogel & Noot	Bemm
<b>Height 70 mm</b>				
KSN22007	C072/1W	RV211/1	KK-S 22	CW3007
KSN33007	C073/1W	RV321/1	KK-S 34	CW4007
KSN44007	C074/1W	RV431/1	KK-S 47	CW5007
KSN55007	C075/1W	RV541/1		CW6007
<b>Height 140 mm</b>				
KSN22014	C142/1W	RV212/1	KK-S 22	CW3014
KSN33014	C143/1W	RV322/1	KK-S 34	CW4014
KSN44014	C144/1W	RV432/1	KK-S 47	CW5014
KSN55014	C145/1W	RV542/1		CW6014
<b>Height 210 mm</b>				
KSN22021	C212/1W	RV213/1	KK-S 22	CW3021
KSN33021	C213/1W	RV323/1	KK-S 34	CW4021
KSN44021	C214/1W	RV433/1	KK-S 47	CW5021
KSN55021	C215/1W	RV543/1		CW6021
<b>Height 280 mm</b>				
KSN22028	C282/1W	RV214/1	KK-S 22	CW3028
KSN33028	C283/1W	RV324/1	KK-S 34	CW4028
KSN44028	C284/1W	RV434/1	KK-S 47	CW5028
KSN55028	C285/1W	RV544/1		CW6028

This table lists names that Kermi and other manufacturers use for types with certain heights. Values for other characteristics cannot be assumed on this basis.

## Valve convectors with radiation shield

Kermi	Arbonia	Zehnder	Vogel & Noot	Bemm
<b>Height 70 mm</b>				
KSV22007	C072/1W	RV211/1 Completo		CV3007
KSV33007	C073/1W	RV321/1 Completo		CV4007
KSV44007	C074/1W	RV431/1 Completo		CV5007
KSV55007	C075/1W	RV541/1 Completo		CV6007
<b>Height 140 mm</b>				
KSV22014	C142/1W	RV212/1 Completo	VHV-S 22	CV3014
KSV33014	C143/1W	RV322/1 Completo	VHV-S 34	CV4014
KSV44014	C144/1W	RV432/1 Completo	VHV-S 47	CV5014
KSV55014	C145/1W	RV542/1 Completo		CV6014
<b>Height 210 mm</b>				
KSV22021	C212/1W	RV213/1 Completo	VHV-S 22	CV3021
KSV33021	C213/1W	RV323/1 Completo	VHV-S 34	CV4021
KSV44021	C214/1W	RV433/1 Completo	VHV-S 47	CV5021
KSV55021	C215/1W	RV543/1 Completo		CV6021
<b>Height 280 mm</b>				
KSV22028	C282/1W	RV214/1 Completo	VHV-S 22	CV3028
KSV33028	C283/1W	RV324/1 Completo	VHV-S 34	CV4028
KSV44028	C284/1W	RV434/1 Completo	VHV-S 47	CV5028
KSV55028	C285/1W	RV544/1 Completo		CV6028

This table lists names that Kermi and other manufacturers use for types with certain heights. Values for other characteristics cannot be assumed on this basis.

# Radiator dimensioning

## Rooms without continuous heating mode according to DIN EN 12831

According to DIN EN 12831, max. permissible reheating times can be defined for reheating a room once heating has been discontinued. The reheating time required thus determines the level of additional heat load needed for this.

Reheating ( $\Phi_{RH}$ ) according to DIN EN 12831 for rooms without continuous heating mode is calculated as follows:

$$\Phi_{RH} = A \times f_{RH}$$

### Legend

A Area [m<sup>2</sup>]

The reheating factor ( $f_{RH}$ ) is to be taken from the standard's country-specific appendix. The factor takes into account the reheating time, the building's mass, and the magnitude of the assumed temperature decrease during the setback phase.

For the standard heating load ( $\Phi_{HL}$ ), the following is obtained:

$$\Phi_{HL} = \Phi_{HL, net} + \Phi_{RH}$$

$$\Phi_{HL, net} = \Phi_T + \Phi_V$$

### Legend

$\Phi_T$  Transmission heat loss

$\Phi_V$  Ventilation heat loss

Attention: The reheating time and the resulting additional heating capacity may need to be agreed upon with the client for each room. The values that result from defining a particular reheating time for reheating factors ( $f_{RH}$  in [W/m<sup>2</sup>]) are to be taken from the tables of the country-specific appendix to EN 12831.

An additional decrease in output must be expected for installation in recess and when the radiator is surrounded by other structures. It is possible to work with the factory-provided tables when dealing with design temperatures of 70/55 and 55/45. At other design temperatures the heat output has to be converted using the following formula or using the simplified conversion table on the next page.

## Conversion of the heat output

The standard heat outputs according to DIN EN 442 are based on a flow temperature of 75 °C, a return temperature of 65 °C, and a room temperature of 20 °C. For other temperature ratios, the outputs must be converted as per the following formula:

$$\Phi = \Phi_{SL} \times \left( \frac{\Delta t_{ln}}{49.83} \right)^n$$

### Legend

$\Phi$  Heat output of the radiator under operating conditions

$\Phi_{SL}$  Standard heat output of the radiator

Logarithmically averaged temperature rise

$$\Delta t_{ln} = \frac{t_V - t_R}{\ln \frac{t_V - t_L}{t_R - t_L}}$$

n Exponent for radiator characteristic curve

## Radiator dimensioning for combined systems

Radiators with very different exponents (n) that are operated together in a heating system (for example, mixed systems of convectors and radiators) differ in their heat dissipation with decreasing flow temperatures.

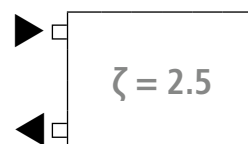
In this case Kermi recommends the following procedure:

Across-the-board increase in the amount of 8–12 %.

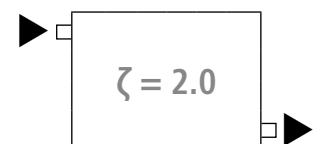
## Resistance value

The internal flow resistance of all convectors can practically be neglected. The following individual resistances  $\zeta$  per radiator must be taken into account for the connections up to a water velocity of 1.0 m / s in the pipe system calculation. The  $\zeta$ -values are based on the inflow and leakage resistance of the convectors.

### on the same side



### on alternate sides



# Radiator dimensioning / correction factors

Conversion factors for differing design temperatures for pumped hot water heating systems according to DIN EN 442; n = 1.3; calculated logarithmically.

**Determination of the heat output of a radiator for a customised system temperature ( $t_v/t_R/t_L$ ) from the given standard heat output at  $\Delta T50$  (75/65/20)**

Conversion formula:

$$\Phi_H = \frac{\Phi_S}{F}$$

$\Phi_H$  = Heat output at customised system temperature

$\Phi_S$  = Standard heat output

F = Conversion factor

**Example:**

**Given:** – System temperature of the heating system  $t_v/t_R/t_L = 55/45/20$   
 - Standard heat output of the radiator 1960 watts

**Demand:** – Heat output of the radiator at  $t_v/t_R/t_L = 55/45/20$

**Solution:**

$$\Phi_H = \frac{1960 \text{ watts}}{1.96} = 1000 \text{ watts}$$

A radiator with a standard heat output of 1960 watts when operating at  $t_v/t_R/t_L = 55/45/20$  provides an output of 1000 watts.

**Conversion of a specified standard heating load for a room to the standard heat output ( $\Delta T50 - 75/65/20$ ) of a radiator for selecting the required size of the radiator.**

Conversion formula:

$$\Phi_S = \Phi_{HL} \times F$$

$\Phi_S$  = Standard heat output

$\Phi_{HL}$  = Standard heating load

F = Conversion factor

**Example:**

**Given:** – Standard heating load for the room 1000 watts  
 - System temperature of heating system  $t_v/t_R/t_L = 55/45/20$

**Demand:** - Standard heat output of radiator ( $\Delta T50 - 75/65/20$ )

**Solution:**

$$\Phi_S = 1000 \text{ watts} \times 1.96 = 1960 \text{ watts}$$

To cover the standard heating load of 1000 watts at  $t_v/t_R/t_L = 55/45/20$ , a radiator with an output of 1960 watts needs to be selected from the table showing the standard heat outputs ( $\Delta T50 - 75/65/20$ ). When operated at  $t_v/t_R/t_L = 55/45/20$ , it then provides the required heat output of 1000 watts.

$t_v$  = flow temperature [°C]

$t_R$  = return temperature [°C]

$t_L$  = air temperature [°C]

Design according to DIN EN 442

$t_v$ flow temperature °C	$t_R$ return temperature °C	$t_L$ room air temperature °C						
		10	12	15	18	20	22	24
110	90	0.47	0.48	0.50	0.53	0.54	0.56	0.58
	80	0.51	0.52	0.55	0.58	0.60	0.62	0.64
	70	0.56	0.58	0.61	0.64	0.67	0.69	0.72
	60	0.62	0.64	0.68	0.73	0.76	0.79	0.83
	50	0.70	0.73	0.78	0.84	0.89	0.94	0.99
105	40	0.82	0.86	0.94	1.02	1.09	1.17	1.26
	80	0.52	0.54	0.57	0.60	0.62	0.65	0.67
	70	0.58	0.60	0.63	0.67	0.69	0.72	0.76
	60	0.64	0.67	0.71	0.76	0.79	0.83	0.87
	50	0.73	0.76	0.82	0.88	0.93	0.98	1.04
100	40	0.85	0.90	0.98	1.07	1.14	1.23	1.33
	80	0.54	0.56	0.59	0.63	0.65	0.67	0.70
	70	0.60	0.62	0.66	0.70	0.72	0.76	0.79
	60	0.67	0.69	0.74	0.79	0.83	0.87	0.91
	55	0.71	0.74	0.79	0.85	0.89	0.94	0.99
95	40	0.76	0.79	0.85	0.92	0.97	1.03	1.09
	80	0.89	0.94	1.02	1.12	1.20	1.29	1.40
	70	0.62	0.65	0.68	0.73	0.76	0.79	0.83
	60	0.69	0.72	0.77	0.83	0.87	0.91	0.96
	55	0.74	0.77	0.83	0.89	0.93	0.99	1.04
90	40	0.79	0.83	0.89	0.96	1.02	1.08	1.15
	80	0.93	0.98	1.07	1.18	1.26	1.36	1.48
	70	0.59	0.61	0.64	0.68	0.71	0.74	0.77
	60	0.62	0.64	0.68	0.72	0.75	0.78	0.82
	55	0.65	0.67	0.72	0.76	0.80	0.83	0.87
85	40	0.68	0.71	0.76	0.81	0.85	0.89	0.93
	80	0.72	0.76	0.81	0.87	0.91	0.96	1.01
	70	0.77	0.81	0.87	0.93	0.98	1.04	1.10
	60	0.83	0.87	0.93	1.01	1.07	1.14	1.21
	55	0.88	0.93	1.01	1.10	1.17	1.24	1.32
80	40	0.96	1.01	1.10	1.20	1.28	1.37	1.47
	80	1.04	1.10	1.20	1.32	1.42	1.53	1.66
	70	0.88	0.93	1.00	1.08	1.15	1.22	1.30
	60	0.94	0.99	1.08	1.17	1.25	1.33	1.42
	55	1.01	1.07	1.17	1.28	1.37	1.47	1.58
75	40	1.10	1.16	1.28	1.42	1.52	1.65	1.79
	80	1.20	1.28	1.42	1.59	1.73	1.89	2.08
	70	1.00	1.05	1.15	1.26	1.34	1.43	1.54
	60	1.08	1.14	1.25	1.37	1.47	1.59	1.71
	55	1.17	1.24	1.37	1.52	1.64	1.78	1.94
70	40	1.28	1.37	1.52	1.71	1.87	2.05	2.27
	80	1.42	1.53	1.73	1.98	2.19	2.44	2.76
	70	1.07	1.14	1.25	1.39	1.50	1.63	1.78
	60	1.15	1.22	1.34	1.48	1.60	1.73	1.87
	55	1.23	1.31	1.45	1.62	1.75	1.90	2.07
65	40	1.34	1.43	1.60	1.80	1.96	2.15	2.37
	80	1.47	1.59	1.78	2.03	2.24	2.48	2.78
	70	1.64	1.78	2.03	2.36	2.64	2.99	3.43
	60	1.87	2.05	2.39	2.86	3.29	3.86	4.67
	55	2.15	2.35	2.75	3.34	3.94	4.67	5.67
60	40	2.44	2.68	3.18	3.91	4.67	5.67	6.97
	80	2.61	2.86	3.46	4.31	5.17	6.27	7.77
	70	2.80	3.10	3.80	4.76	5.76	6.96	8.66
	60	3.10	3.50	4.30	5.40	6.50	7.90	9.80
	55	3.40	3.90	4.80	6.00	7.30	8.90	11.00
55	40	3.80	4.40	5.40	6.70	8.20	10.00	12.40
	80	4.10	4.80	5.90	7.40	9.10	11.10	13.80
	70	4.40	5.20	6.40	8.00	9.90	12.10	15.10
	60	4.80	5.70	7.00	8.70	10.80	13.30	16.60
	55	5.20	6.20	7.60	9.40	11.60	14.30	17.90
50	40	5.70	6.80	8.30	10.30	12.70	15.70	19.70
	80	6.10	7.40	9.00	11.30	14.00	17.40	21.80
	70	6.50	7.90	9.60	11.90	14.80	18.60	23.30
	60	7.00	8.50	10.40	12.80	16.00	20.00	25.00
	55	7.50	9.10	11.20	13.90	17.50	22.00	27.50
45	40	8.10	9.80	12.00	14.80	18.40	23.00	29.00
	80	8.60	10.50	12.80	16.00	20.00	25.00	31.00
	70	9.10	11.30	13.80	17.40	22.00	27.50	34.00
	60	9.70	12.20	15.00	19.00	24.00	30.00	37.00
	55	10.30	13.20	16.40	21.00	26.50	33.00	41.00
40	40	11.00	14.30	18.00	22.50	29.00	36.00	45.00
	80	11.70	15.60	19.80	24.80	32.00	40.00	50.00
	70	12.40	16.60	21.00	26.50	34.00	43.00	54.00
	60	13.20	17.80	22.80	29.00	37.00	47.00	59.00
	55	14.10	19.20	24.80	31.50	40.00	51.00	64.00

# Quality at its best

- Compact and powerful
- Version with integrated valve fitting
- Quick reaction times
- Extremely easy to install
- Heights 100–250 mm
- Lengths 600–3000 mm

# Compact convectors

Compact convectors and compact convectors with integrated valve fitting.

## Compact, elegant heating comfort

- Extremely low in height
- Powerful heat output
- Ideal in front of large exterior glazing
- Special solutions for individual adjustment to the architecture



# General description

## Description

\* Kermi compact convectors are distinctive due to their high ease of installation in combination with very low weight. Low water contents ensure very quick reaction times. Kermi compact convectors are composed of a heat register and stable sheet metal cladding. The heat register consists of copper tubes and aluminium fins. Types KKN 10, KKN 13, KKN 16, KKN 21, KKN 26

## Compact valve convectors

The compact convectors are also available with integrated valve. Types: KKV 10, KKV 13, KKV 16, KKV 21, KKV 26. Valve with factory preset  $k_v$  value.

## Operating conditions

Standard operating pressure: 10 bar (test pressure 13 bar).  
Operating temperature 110 °C hot water

## Scope of delivery

Kermi compact convector inclusive protective packaging.

## Quality

All compact convectors are tested for watertightness.  
Test pressure: 13 bar. Operating pressure: 10 bar.

## Paint finish

Two-coat painting according to DIN 55900. Primer (ETL), powder coating (EPS). Free of emissions even in heating mode. Standard colour: RAL 9016. Colour finish according to Kermi colour concept. Anti-corrosion coating possible for an additional charge or on request.

## Outputs

The stated heat outputs are measured according to DIN EN 442 and are based on a hot water temperature of 75/65 °C and 70/55 °C and a room temperature of 20 °C.

**Please note:** Operating conditions and water quality according to VDI 2035 must be respected, as well as the industry-standard installation regulations.



### Kermi compact convector KKN and Kermi compact-valve convector KKVc










The range of applications for compact convectors in modern architecture is growing all the time.

The Kermi product range is correspondingly variable: sensitive valve version or compact standard version. With plenty of latitude for planning heights and lengths. And the benefit of being easy to fit combined with being extremely lightweight. In addition, low water content that ensures extremely fast reaction times. Kermi compact convectors are delivered in White as standard, RAL 9016. Apart from that, the Kermi colour concept offers a wide range of options for up-to-date, custom colour design. Paint finish in any colour you choose is also possible for an additional charge.



## Technical data – Compact convectors

### Technical information

Item reference	Height (BH) mm	Length (BL) mm	Depth (BT) mm
<b>Compact convectors</b>			
 <b>KKN10</b>	100–250	600–3000	100
 <b>KKN13</b>	100–250	600–3000	130
 <b>KKN16</b>	100–250	600–3000	160
 <b>KKN21</b>	100–250	600–3000	210
 <b>KKN26</b>	100–250	600–3000	260
<b>Compact valve convectors</b>			
 <b>KKV10</b>	100–250	600–3000	100
 <b>KKV13</b>	100–250	600–3000	130
 <b>KKV16</b>	100–250	600–3000	160
 <b>KKV21</b>	100–250	600–3000	210
 <b>KKV26</b>	100–250	600–3000	260

### Compact convectors

Operating conditions  
max. operating temperature 110 °C,  
max. operating pressure 10 bar  
(test pressure 13 bar)

Scope of delivery  
Compact convector

Fixing  
see chapter on Fixing

Paint finish  
Kermi White (RAL 9016)  
Customised colouring also possible with  
the Kermi colour concept, see page146

### Compact valve convectors

Operating conditions  
max. operating temperature 110 °C,  
max. operating pressure 10 bar  
(test pressure 13 bar)

Scope of delivery  
Compact valve convector including  
factory preset  $k_V$ -valve

Fixing  
see chapter on Fixing

Paint finish  
Kermi White (RAL 9016)  
Customised colouring also possible with  
the Kermi colour concept, see page146

# Output data compact convectors

## Output data compact convectors / compact valve convectors measured according to DIN EN 442

Height mm	Type KKx10		Type KKx13		Type KKx16		Type KKx21		Type KKx26	
	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n	$\dot{q}_n$ W/m	n
100	502	1.4103	643	1.4153	729	1.4267	1106	1.4318	1315	1.4125
150	591	1.4080	740	1.4219	972	1.4366	1404	1.4664	1775	1.4838
250	825	1.4415	1050	1.4408	1276	1.4357	1794	1.4792	2210	1.4881

Please note: "x" optionally for V = valve or N = standard.

- $\dot{q}_n$  = Standard heat output / m  
at a flow temperature of  $t_V = 75$  °C,  
a return temperature of  $t_R = 65$  °C  
and a room temperature of  $t_L = 20$  °C
- n = Exponent for radiator characteristic curve








$$\Phi_{SL} = \dot{q}_n \times \text{Length in mm}$$

$$\Phi = \Phi_{SL} \left( \frac{\Delta t}{\Delta t_{in}} \right)^n$$

- $\Phi$  = Heat output to be determined
- $\Phi_{SL}$  = Catalogue heat output
- $\Delta_{ln}$  = Standard temperature rise
- $\Delta t$  = Temperature rise at the operating conditions on which the conversion is based
- n = Radiator exponent

# Water content, weight compact convectors

Type	KKx10			KKx13			KKx16			KKNx21			KKx26			
<b>Please note:</b> "x" optionally for V = valve or N = standard																
<b>Depth mm</b>	100			130			160			210			260			
<b>Height mm</b>	100	150	250	100	150	250	100	150	250	100	150	250	100	150	250	
<b>Length mm</b>	Water content in l/weight in kg															
600	l	0.1	0.1	0.2	0.1	0.2	0.4	0.2	0.4	0.4	0.4	0.5	0.7	0.6	0.7	0.7
	kg	3.4	4.3	6.2	3.9	4.9	7.1	4.5	5.7	7.8	5.5	6.9	9.4	6.6	8.1	10.6
700	l	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.4	0.6	0.8	0.6	0.8	0.8
	kg	3.9	4.9	7.0	4.4	5.5	8.0	5.0	6.4	8.7	6.1	7.7	10.5	7.4	9.0	11.7
800	l	0.2	0.2	0.3	0.2	0.3	0.5	0.3	0.5	0.5	0.5	0.7	0.9	0.7	0.9	0.9
	kg	4.3	5.4	7.8	4.8	6.1	8.9	5.5	7.1	9.6	6.8	8.5	11.6	8.1	9.9	13.0
900	l	0.2	0.2	0.3	0.2	0.3	0.5	0.3	0.5	0.5	0.6	0.8	1.0	0.8	1.0	1.0
	kg	4.7	5.9	8.6	5.3	6.7	9.8	6.0	7.8	10.6	7.4	9.3	12.7	8.8	10.8	14.2
1000	l	0.2	0.2	0.3	0.2	0.3	0.6	0.3	0.6	0.6	0.6	0.9	1.1	0.9	1.1	1.1
	kg	5.1	6.5	9.4	5.7	7.3	10.7	6.6	8.5	11.5	8.0	10.1	13.8	9.6	11.8	15.4
1200	l	0.2	0.2	0.4	0.2	0.4	0.7	0.4	0.7	0.7	0.7	1.0	1.3	1.0	1.3	1.3
	kg	6.0	7.6	11.0	6.7	8.5	12.4	7.6	9.8	13.4	9.3	11.7	16.1	11.1	13.6	17.8
1400	l	0.2	0.2	0.4	0.3	0.4	0.8	0.4	0.8	0.8	0.8	1.2	1.5	1.2	1.5	1.5
	kg	6.8	8.7	12.6	7.6	9.7	14.2	8.6	11.2	15.3	10.5	13.3	18.3	12.5	15.4	20.2
1600	l	0.3	0.3	0.5	0.3	0.5	0.9	0.5	0.9	0.9	0.9	1.3	1.7	1.4	1.8	1.8
	kg	7.7	9.7	14.2	8.5	10.9	16.0	9.7	12.6	17.1	11.8	14.9	20.5	14.0	17.3	22.6
1800	l	0.3	0.3	0.5	0.3	0.5	1.0	0.5	1.0	1.0	1.0	1.5	2.0	1.5	2.0	2.0
	kg	8.5	10.8	15.8	9.4	12.1	17.8	10.7	13.9	19.0	13.0	16.5	22.7	15.5	19.1	25.0
2000	l	0.3	0.3	0.6	0.3	0.6	1.1	0.6	1.1	1.1	1.1	1.6	2.2	1.7	2.2	2.2
	kg	9.4	11.9	17.4	10.3	13.3	19.5	11.7	15.3	20.9	14.3	18.1	25.0	16.9	20.9	27.4
2200	l	0.4	0.4	0.6	0.4	0.6	1.2	0.7	1.2	1.2	1.2	1.8	2.4	1.8	2.4	2.4
	kg	10.2	13.0	19.0	11.3	14.5	21.3	12.8	16.7	22.8	15.5	19.7	27.2	18.4	22.8	29.9
2400	l	0.4	0.4	0.7	0.4	0.7	1.3	0.7	1.3	1.3	1.3	2.0	2.6	2.0	2.6	2.6
	kg	11.1	14.1	20.6	12.2	15.7	23.1	13.8	18.1	24.6	16.8	21.3	29.4	19.9	24.6	32.3
2600	l	0.4	0.4	0.7	0.4	0.8	1.4	0.8	1.4	1.4	1.5	2.1	2.8	2.1	2.8	2.8
	kg	11.9	15.2	22.2	13.1	17.0	24.9	14.8	19.4	26.5	18.0	22.9	31.7	21.3	26.5	34.7
2800	l	0.4	0.4	0.8	0.4	0.8	1.5	0.8	1.5	1.5	1.6	2.3	3.0	2.3	3.0	3.0
	kg	12.8	16.2	23.8	14.0	18.2	26.7	15.9	20.8	28.4	19.3	24.5	33.9	22.8	28.3	37.1
3000	l	0.5	0.5	0.9	0.5	0.9	1.6	0.9	1.6	1.7	1.7	2.4	3.2	2.5	3.2	3.2
	kg	13.6	17.3	25.4	15.0	19.4	28.4	16.9	22.2	30.3	20.5	26.1	36.1	24.3	30.1	39.5

# Prices Compact convectors

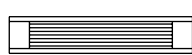
# Compact convectors

Height 100 mm  
Length 600–3000 mm

## Height 100 mm

**Please note:**

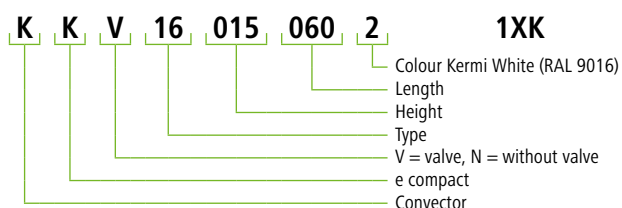
"x" optionally for  
V = valve or  
N = standard



Type	KKx10	KKx13	KKx16	KKx21	KKx26
Radiator exponent	1.4103	1.4153	1.4267	1.4318	1.4125
Depth mm	100	130	160	210	260
Price/m EUR	<b>258.65</b>	<b>288.52</b>	<b>298.43</b>	<b>393.93</b>	<b>447.67</b>
Surcharge per unit EUR	<b>89.51</b>	<b>103.46</b>	<b>107.47</b>	<b>115.36</b>	<b>129.33</b>
watts/m	502	643	729	1106	1315

Length mm		Heat output in watts / room temperature 20 °C				
600	watts 75/65 °C	301	386	437	664	789
	70/55 °C	237	304	343	521	621
	Price EUR	<b>244.70</b>	<b>276.57</b>	<b>286.53</b>	<b>351.72</b>	<b>397.93</b>
700	watts 75/65 °C	351	450	510	774	921
	70/55 °C	276	354	400	607	725
	Price EUR	<b>270.57</b>	<b>305.42</b>	<b>316.37</b>	<b>391.11</b>	<b>442.70</b>
800	watts 75/65 °C	402	514	583	885	1052
	70/55 °C	316	404	458	694	828
	Price EUR	<b>296.43</b>	<b>334.28</b>	<b>346.21</b>	<b>430.50</b>	<b>487.47</b>
900	watts 75/65 °C	452	579	656	995	1184
	70/55 °C	356	455	515	780	932
	Price EUR	<b>322.30</b>	<b>363.13</b>	<b>376.06</b>	<b>469.90</b>	<b>532.23</b>
1000	watts 75/65 °C	502	643	729	1106	1315
	70/55 °C	395	506	572	867	1035
	Price EUR	<b>348.16</b>	<b>391.98</b>	<b>405.90</b>	<b>509.29</b>	<b>577.00</b>
1200	watts 75/65 °C	602	772	875	1327	1578
	70/55 °C	474	607	687	1041	1242
	Price EUR	<b>399.89</b>	<b>449.68</b>	<b>465.59</b>	<b>588.08</b>	<b>666.53</b>
1400	watts 75/65 °C	703	900	1021	1548	1841
	70/55 °C	553	708	801	1214	1449
	Price EUR	<b>451.62</b>	<b>507.39</b>	<b>525.27</b>	<b>666.86</b>	<b>756.07</b>
1600	watts 75/65 °C	803	1029	1166	1770	2104
	70/55 °C	632	809	915	1388	1656
	Price EUR	<b>503.35</b>	<b>565.09</b>	<b>584.96</b>	<b>745.65</b>	<b>845.60</b>
1800	watts 75/65 °C	904	1157	1312	1991	2367
	70/55 °C	712	910	1030	1562	1863
	Price EUR	<b>555.08</b>	<b>622.80</b>	<b>644.64</b>	<b>824.43</b>	<b>935.14</b>
2000	watts 75/65 °C	1004	1286	1458	2212	2630
	70/55 °C	790	1011	1144	1735	2069
	Price EUR	<b>606.81</b>	<b>680.50</b>	<b>704.33</b>	<b>903.22</b>	<b>1024.67</b>
2200	watts 75/65 °C	1104	1415	1604	2433	2893
	70/55 °C	869	1113	1259	1908	2276
	Price EUR	<b>658.54</b>	<b>738.20</b>	<b>764.02</b>	<b>982.01</b>	<b>1114.20</b>
2400	watts 75/65 °C	1205	1543	1750	2654	3156
	70/55 °C	949	1214	1374	2082	2483
	Price EUR	<b>710.27</b>	<b>795.91</b>	<b>823.70</b>	<b>1060.79</b>	<b>1203.74</b>
2600	watts 75/65 °C	1305	1672	1895	2876	3419
	70/55 °C	1027	1315	1488	2256	2690
	Price EUR	<b>762.00</b>	<b>853.61</b>	<b>883.39</b>	<b>1139.58</b>	<b>1293.27</b>
2800	watts 75/65 °C	1406	1800	2041	3097	3682
	70/55 °C	1107	1416	1602	2429	2897
	Price EUR	<b>813.73</b>	<b>911.32</b>	<b>943.07</b>	<b>1218.36</b>	<b>1382.81</b>
3000	watts 75/65 °C	1506	1929	2187	3318	3945
	70/55 °C	1185	1517	1717	2602	3104
	Price EUR	<b>865.46</b>	<b>969.02</b>	<b>1002.76</b>	<b>1297.15</b>	<b>1472.34</b>

### Item number



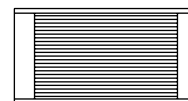
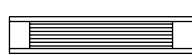
Price compact valve convector = surcharge + **46.36** EUR.  
On-site connection possible on left or right.

# Compact convectors

Height 150 mm  
Length 600–3000 mm

## Height 150 mm

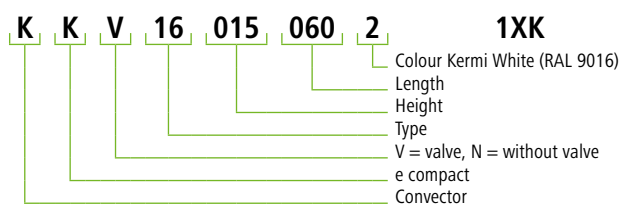
**Please note:**  
"x" optionally for  
V = valve or  
N = standard



Type	KKx10	KKx13	KKx16	KKx21	KKx26
Radiator exponent	1.4080	1.4219	1.4366	1.4664	1.4838
Depth mm	100	130	160	210	260
Price/m EUR	<b>288.52</b>	<b>358.12</b>	<b>401.89</b>	<b>561.02</b>	<b>600.82</b>
Surcharge per unit EUR	<b>89.51</b>	<b>103.46</b>	<b>107.47</b>	<b>115.36</b>	<b>129.33</b>
watts/m	591	740	972	1404	1775

Length mm		Heat output in watts / room temperature 20 °C				
600	watts 75/65 °C	355	444	583	842	1065
	70/55 °C	280	349	457	657	828
	Price EUR	<b>262.62</b>	<b>318.33</b>	<b>348.60</b>	<b>451.97</b>	<b>489.82</b>
700	watts 75/65 °C	414	518	680	983	1243
	70/55 °C	326	407	533	766	966
	Price EUR	<b>291.47</b>	<b>354.14</b>	<b>388.79</b>	<b>508.07</b>	<b>549.90</b>
800	watts 75/65 °C	473	592	778	1123	1420
	70/55 °C	372	465	610	876	1104
	Price EUR	<b>320.33</b>	<b>389.96</b>	<b>428.98</b>	<b>564.18</b>	<b>609.99</b>
900	watts 75/65 °C	532	666	875	1264	1598
	70/55 °C	419	523	686	986	1242
	Price EUR	<b>349.18</b>	<b>425.77</b>	<b>469.17</b>	<b>620.28</b>	<b>670.07</b>
1000	watts 75/65 °C	591	740	972	1404	1775
	70/55 °C	465	581	762	1095	1380
	Price EUR	<b>378.03</b>	<b>461.58</b>	<b>509.36</b>	<b>676.38</b>	<b>730.15</b>
1200	watts 75/65 °C	709	888	1166	1685	2130
	70/55 °C	558	698	914	1314	1656
	Price EUR	<b>435.73</b>	<b>533.20</b>	<b>589.74</b>	<b>788.58</b>	<b>850.31</b>
1400	watts 75/65 °C	827	1036	1361	1966	2485
	70/55 °C	651	814	1067	1533	1932
	Price EUR	<b>493.44</b>	<b>604.83</b>	<b>670.12</b>	<b>900.79</b>	<b>970.48</b>
1600	watts 75/65 °C	946	1184	1555	2246	2840
	70/55 °C	745	930	1219	1751	2208
	Price EUR	<b>551.14</b>	<b>676.45</b>	<b>750.49</b>	<b>1012.99</b>	<b>1090.64</b>
1800	watts 75/65 °C	1064	1332	1750	2527	3195
	70/55 °C	838	1046	1371	1970	2484
	Price EUR	<b>608.85</b>	<b>748.08</b>	<b>830.87</b>	<b>1125.20</b>	<b>1210.81</b>
2000	watts 75/65 °C	1182	1480	1944	2808	3550
	70/55 °C	931	1163	1523	2189	2760
	Price EUR	<b>666.55</b>	<b>819.70</b>	<b>911.25</b>	<b>1237.40</b>	<b>1330.97</b>
2200	watts 75/65 °C	1300	1628	2138	3089	3905
	70/55 °C	1024	1279	1675	2409	3036
	Price EUR	<b>724.25</b>	<b>891.32</b>	<b>991.63</b>	<b>1349.60</b>	<b>1451.13</b>
2400	watts 75/65 °C	1418	1776	2333	3370	4260
	70/55 °C	1117	1395	1828	2628	3312
	Price EUR	<b>781.96</b>	<b>962.95</b>	<b>1072.01</b>	<b>1461.81</b>	<b>1571.30</b>
2600	watts 75/65 °C	1537	1924	2527	3650	4615
	70/55 °C	1210	1512	1980	2846	3588
	Price EUR	<b>839.66</b>	<b>1034.57</b>	<b>1152.38</b>	<b>1574.01</b>	<b>1691.46</b>
2800	watts 75/65 °C	1655	2072	2722	3931	4970
	70/55 °C	1303	1628	2133	3065	3864
	Price EUR	<b>897.37</b>	<b>1106.20</b>	<b>1232.76</b>	<b>1686.22</b>	<b>1811.63</b>
3000	watts 75/65 °C	1773	2220	2916	4212	5325
	70/55 °C	1396	1744	2285	3284	4140
	Price EUR	<b>955.07</b>	<b>1177.82</b>	<b>1313.14</b>	<b>1798.42</b>	<b>1931.79</b>

### Item number



Price compact valve convector = surcharge + **46.36** EUR.  
On-site connection possible on left or right.

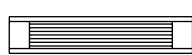
# Compact convectors

Height 250 mm  
Length 600–3000 mm

## Height 250 mm

**Please note:**

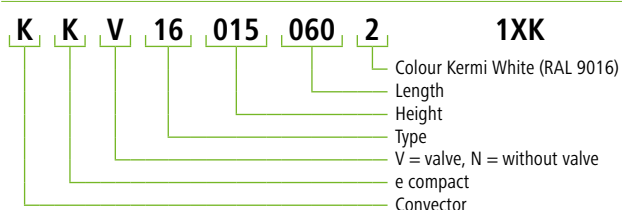
"x" optionally for  
V = valve or  
N = standard



Type	KKx10	KKx13	KKx16	KKx21	KKx26
Radiator exponent	1.4415	1.4408	1.4357	1.4792	1.4881
Depth mm	100	130	160	210	260
Price/m EUR	<b>517.25</b>	<b>547.14</b>	<b>600.82</b>	<b>740.10</b>	<b>775.92</b>
Surcharge per unit EUR	<b>89.51</b>	<b>103.46</b>	<b>107.47</b>	<b>115.36</b>	<b>129.33</b>
watts/m	825	1050	1276	1794	2210

Length mm		Heat output in watts / room temperature 20 °C				
600	watts 75/65 °C	495	630	766	1076	1326
	70/55 °C	388	493	600	837	1030
	Price EUR	<b>399.86</b>	<b>431.74</b>	<b>467.96</b>	<b>559.42</b>	<b>594.88</b>
700	watts 75/65 °C	578	735	893	1256	1547
	70/55 °C	453	576	700	977	1202
	Price EUR	<b>451.59</b>	<b>486.46</b>	<b>528.04</b>	<b>633.43</b>	<b>672.47</b>
800	watts 75/65 °C	660	840	1021	1435	1768
	70/55 °C	517	658	800	1116	1373
	Price EUR	<b>503.31</b>	<b>541.17</b>	<b>588.13</b>	<b>707.44</b>	<b>750.07</b>
900	watts 75/65 °C	743	945	1148	1615	1989
	70/55 °C	582	740	900	1256	1545
	Price EUR	<b>555.04</b>	<b>595.89</b>	<b>648.21</b>	<b>781.45</b>	<b>827.66</b>
1000	watts 75/65 °C	825	1050	1276	1794	2210
	70/55 °C	646	822	1000	1396	1717
	Price EUR	<b>606.76</b>	<b>650.60</b>	<b>708.29</b>	<b>855.46</b>	<b>905.25</b>
1200	watts 75/65 °C	990	1260	1531	2153	2652
	70/55 °C	775	987	1200	1675	2060
	Price EUR	<b>710.21</b>	<b>760.03</b>	<b>828.45</b>	<b>1003.48</b>	<b>1060.43</b>
1400	watts 75/65 °C	1155	1470	1786	2512	3094
	70/55 °C	904	1151	1400	1954	2404
	Price EUR	<b>813.66</b>	<b>869.46</b>	<b>948.62</b>	<b>1151.50</b>	<b>1215.62</b>
1600	watts 75/65 °C	1320	1680	2042	2870	3536
	70/55 °C	1034	1316	1600	2233	2747
	Price EUR	<b>917.11</b>	<b>978.88</b>	<b>1068.78</b>	<b>1299.52</b>	<b>1370.80</b>
1800	watts 75/65 °C	1485	1890	2297	3229	3978
	70/55 °C	1163	1480	1800	2512	3090
	Price EUR	<b>1020.56</b>	<b>1088.31</b>	<b>1188.95</b>	<b>1447.54</b>	<b>1525.99</b>
2000	watts 75/65 °C	1650	2100	2552	3588	4420
	70/55 °C	1292	1645	2000	2792	3434
	Price EUR	<b>1124.01</b>	<b>1197.74</b>	<b>1309.11</b>	<b>1595.56</b>	<b>1681.17</b>
2200	watts 75/65 °C	1815	2310	2807	3947	4862
	70/55 °C	1421	1809	2200	3071	3777
	Price EUR	<b>1227.46</b>	<b>1307.17</b>	<b>1429.27</b>	<b>1743.58</b>	<b>1836.35</b>
2400	watts 75/65 °C	1980	2520	3062	4306	5304
	70/55 °C	1550	1973	2400	3350	4120
	Price EUR	<b>1330.91</b>	<b>1416.60</b>	<b>1549.44</b>	<b>1891.60</b>	<b>1991.54</b>
2600	watts 75/65 °C	2145	2730	3318	4664	5746
	70/55 °C	1680	2138	2601	3629	4464
	Price EUR	<b>1434.36</b>	<b>1526.02</b>	<b>1669.60</b>	<b>2039.62</b>	<b>2146.72</b>
2800	watts 75/65 °C	2310	2940	3573	5023	6188
	70/55 °C	1809	2302	2800	3908	4807
	Price EUR	<b>1537.81</b>	<b>1635.45</b>	<b>1789.77</b>	<b>2187.64</b>	<b>2301.91</b>
3000	watts 75/65 °C	2475	3150	3828	5382	6630
	70/55 °C	1938	2467	3000	4187	5150
	Price EUR	<b>1641.26</b>	<b>1744.88</b>	<b>1909.93</b>	<b>2335.66</b>	<b>2457.09</b>

### Item number



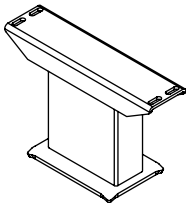
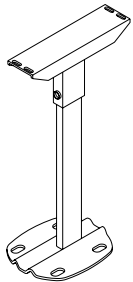
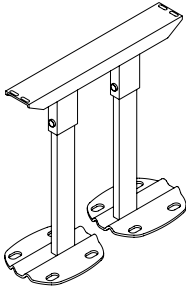
Price compact valve convector = surcharge + **46.36 EUR**.  
On-site connection possible on left or right.



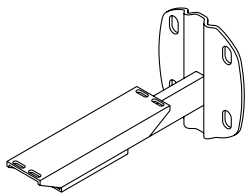
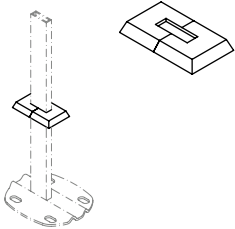
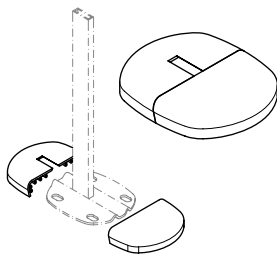
# Accessories

## Compact convector

# Accessories

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT																																									
<b>Fixing bracket</b>																																														
 <p>Suitable for requirement class II and III. Number of fixing points depends on radiator size.</p>	For floor fixing. Installation height 100 mm. Without screws and anchors.																																													
	<table border="1"> <thead> <tr> <th colspan="6">White</th> </tr> </thead> <tbody> <tr> <td>Type 10</td> <td>ZB0086 0001</td> <td>1</td> <td>piece</td> <td>23.18 / piece</td> </tr> <tr> <td>Type 13</td> <td>ZB0086 0002</td> <td>1</td> <td>piece</td> <td>23.18 / piece</td> </tr> <tr> <td>Type 16</td> <td>ZB0086 0003</td> <td>1</td> <td>piece</td> <td>23.18 / piece</td> </tr> <tr> <td>Type 21</td> <td>ZB0086 0004</td> <td>1</td> <td>piece</td> <td>23.18 / piece</td> </tr> <tr> <td>Type 26</td> <td>ZB0086 0005</td> <td>1</td> <td>piece</td> <td>23.18 / piece</td> </tr> <tr> <th colspan="6">Colour</th> </tr> <tr> <td>* Please state colour when ordering</td> <td>ZB0086*</td> <td>1</td> <td>piece</td> <td>28.98 / piece</td> </tr> </tbody> </table>					White						Type 10	ZB0086 0001	1	piece	23.18 / piece	Type 13	ZB0086 0002	1	piece	23.18 / piece	Type 16	ZB0086 0003	1	piece	23.18 / piece	Type 21	ZB0086 0004	1	piece	23.18 / piece	Type 26	ZB0086 0005	1	piece	23.18 / piece	Colour						* Please state colour when ordering	ZB0086*	1	piece
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Colour																																														
* Please state colour when ordering	ZB0086*	1	piece	28.98 / piece																																										
<b>Soil stand bracket</b>																																														
	For floor fixing. Height-adjustable (100–350 mm). Without screws and anchors.																																													
	<table border="1"> <thead> <tr> <th colspan="6">White</th> </tr> </thead> <tbody> <tr> <td>Type 10</td> <td>ZB0087 0001</td> <td>1</td> <td>piece</td> <td>37.00 / piece</td> </tr> <tr> <td>Type 13</td> <td>ZB0087 0002</td> <td>1</td> <td>piece</td> <td>37.00 / piece</td> </tr> <tr> <td>Type 16</td> <td>ZB0087 0003</td> <td>1</td> <td>piece</td> <td>37.00 / piece</td> </tr> <tr> <td>Type 21</td> <td>ZB0087 0004</td> <td>1</td> <td>piece</td> <td>37.00 / piece</td> </tr> <tr> <td>Type 26</td> <td>ZB0087 0005</td> <td>1</td> <td>piece</td> <td>37.00 / piece</td> </tr> <tr> <th colspan="6">Colour</th> </tr> <tr> <td>* Please state colour when ordering</td> <td>ZB0087*</td> <td>1</td> <td>piece</td> <td>46.25 / piece</td> </tr> </tbody> </table>					White						Type 10	ZB0087 0001	1	piece	37.00 / piece	Type 13	ZB0087 0002	1	piece	37.00 / piece	Type 16	ZB0087 0003	1	piece	37.00 / piece	Type 21	ZB0087 0004	1	piece	37.00 / piece	Type 26	ZB0087 0005	1	piece	37.00 / piece	Colour						* Please state colour when ordering	ZB0087*	1	piece
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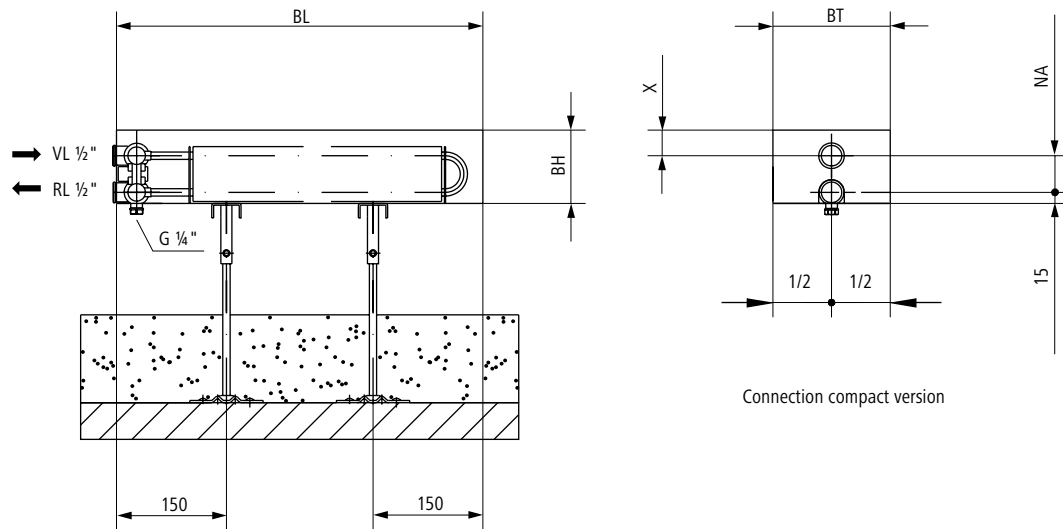
# Accessories

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
<b>Fixing bracket</b>					
 <p>Suitable for requirement class II. Number of fixing points depends on radiator size.</p>	For wall fixing. Adjustable (distance to wall 30–80 mm). Without screws and anchors.				
	<b>White</b>				
	Type 10	ZB0088 0001	1	piece	23.18 / piece
	Type 13	ZB0088 0002	1	piece	23.18 / piece
	Type 16	ZB0088 0003	1	piece	23.18 / piece
	Type 21	ZB0088 0004	1	piece	23.18 / piece
	Type 26	ZB0088 0005	1	piece	23.18 / piece
	<b>Colour</b>				
	* Please state colour when ordering	ZB0088*	1	piece	28.98 / piece
	<b>Plastic rosette</b>				
	For stand pipe 30 x 10 mm (when installing on unfinished floor).				
	White	ZB0119 0001	1	piece	8.09 / piece
	Colour	ZB0119*	1	piece	10.11 / piece
	* Please state colour when ordering				
<b>Cover rosette</b>					
	For bracket base, pipe 30 x 10 mm (when installing on finished floor).				
	White	ZB0029 0001	1	piece	16.38 / piece
	Colour	ZB0029*	1	piece	20.48 / piece
	* Please state colour when ordering				

Technical data  
Compact convectors

# Connection dimensions for compact convector

## Connection for compact convector



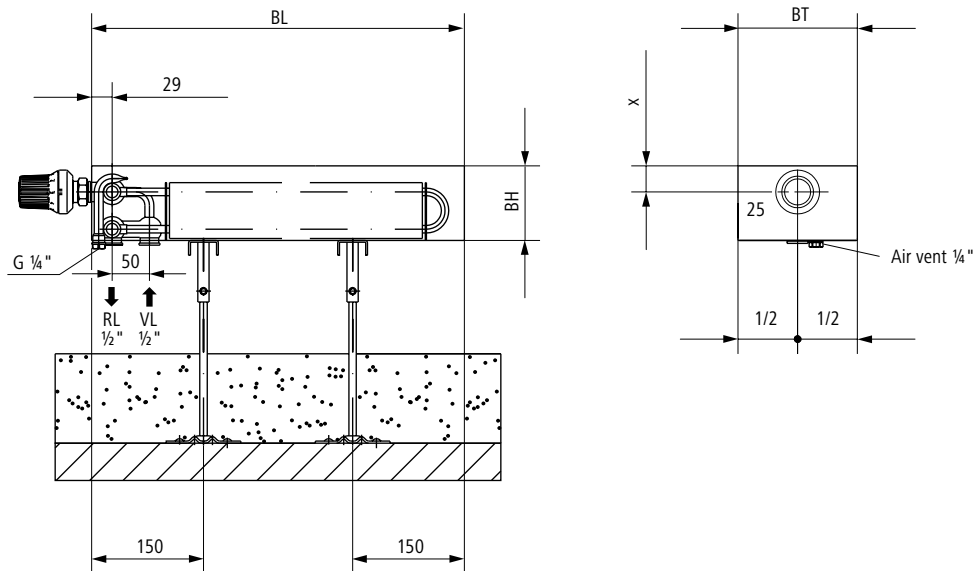
VL = flow, RL = return, BH = height, BT = depth, NA = hub distance

### Technical information

Type	Height (BH) in mm	Depth (BT) in mm	x in mm	Hub distance (NA) in mm
KKN10	100	100	35	50
KKN13	100	130	35	50
KKN16	100	160	35	50
KKN21	100	210	35	50
KKN26	100	260	35	50
KKN10	150	100	60	75
KKN13	150	130	60	75
KKN16	150	160	60	75
KKN21	150	210	60	75
KKN26	150	260	60	75
KKN10	250	100	110	125
KKN13	250	130	110	125
KKN16	250	160	110	125
KKN21	250	210	110	125
KKN26	250	260	110	125

# Connection dimensions for compact convector

## Connection for compact valve convector



VL = flow, RL = return, BH = height, BT = depth, NA = hub distance

### Technical information

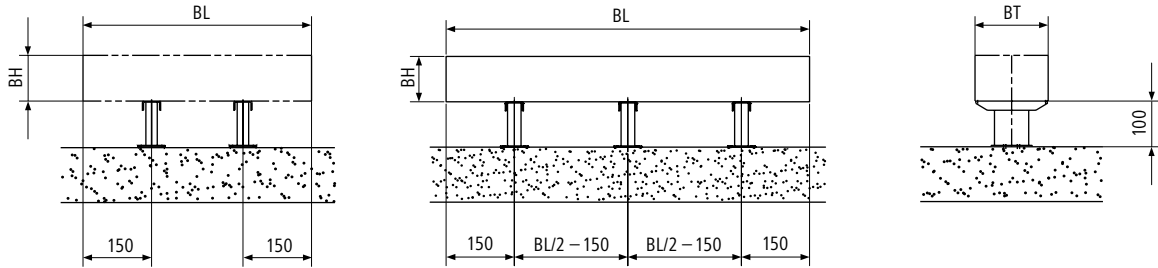
Type	Height (BH) in mm	Depth (BT) in mm	x in mm
KKV10	100	100	35
KKV13	100	130	35
KKV16	100	160	35
KKV21	100	210	35
KKV26	100	260	35
KKV10	150	100	60
KKV13	150	130	60
KKV16	150	160	60
KKV21	150	210	60
KKV26	150	260	60
KKV10	250	100	110
KKV13	250	130	110
KKV16	250	160	110
KKV21	250	210	110
KKV26	250	260	110

# Installation dimensions for accessories – compact convector

Number of fixings, soil stands, or wall brackets: up to length 1400 mm: 2 pcs, from length 1600 mm: 3 pcs

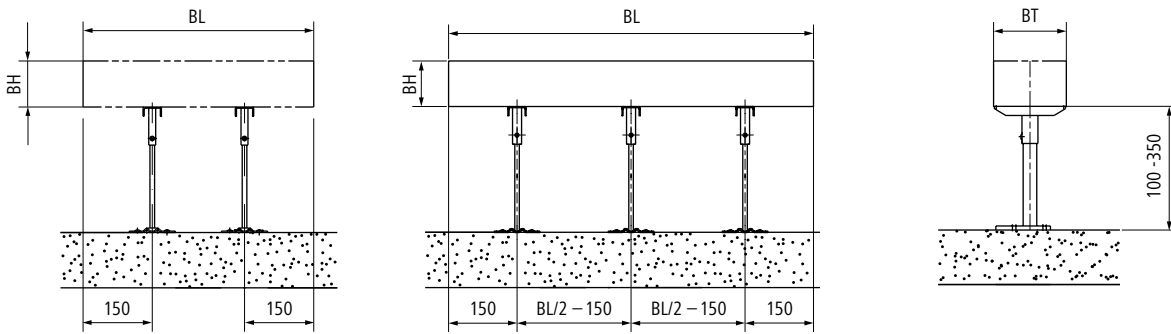
Fixing bracket ZB0086\*

Requirement class II and III



Soil stand bracket ZB0087\*

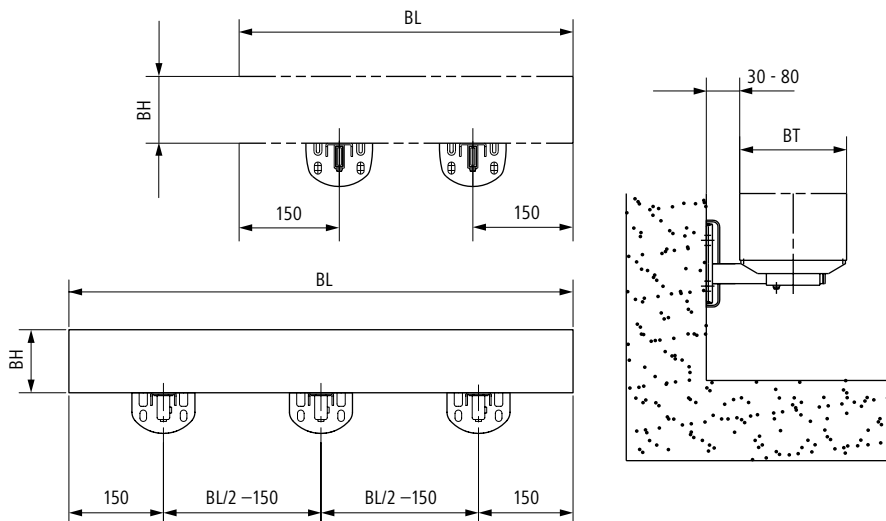
Requirement class II



For installation on finished and unfinished floor

Wall bracket ZB0088\*

Requirement class II



BH = height, BT = depth

## k<sub>v</sub> values for compact valve convectors

Type	KKV10			KKV13			KKV16			KKV21			KKV26		
Depth mm	100			130			160			210			260		
Height	100	150	250	100	150	250	100	150	250	100	150	250	100	150	250
Length mm	k <sub>v</sub> preset at factory														
600	5.5	5.5	5.5*	5.5	5.5	5.5	5.5	5.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5
700	5.5	5.5	5.5*	5.5	5.5	2.5	5.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
800	5.5	5.5	5.5*	5.5	5.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5
900	5.5	5.5	2.5	5.5	5.5	2.5	5.5	2.5	2.5	2.5	2.5	4.5	2.5	4.5	4.5
1000	5.5	5.5	2.5	5.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	4.5	4.5
1200	5.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	4.5	4.5	4.5	8
1400	5.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	2.5	4.5	6	4.5	6	8
1600	2.5	2.5	2.5	2.5	2.5	4.5	2.5	4.5	4.5	4.5	6	8	4.5	8	8
1800	2.5	2.5	2.5	2.5	2.5	4.5	2.5	4.5	6	4.5	6	8	6	8	8
2000	2.5	2.5	4.5	2.5	2.5	4.5	2.5	4.5	6	6	8	8	8	8	8
2200	2.5	2.5	4.5	2.5	4.5	6	4.5	4.5	8	6	8	8	8	8	8
2400	2.5	2.5	4.5	2.5	4.5	6	4.5	6	8	8	8	8	8	8	8
2600	2.5	2.5	4.5	4.5	4.5	8	4.5	6	8	8	8	8	8	8	8
2800	2.5	4.5	6	4.5	4.5	8	4.5	8	8	8	8	8	8	8	8
3000	2.5	4.5	6	4.5	6	8	4.5	8	8	8	8	8	8	8	8

### Attention!

#### Two-pipe system:

Kermi compact valve convectors are factory-fitted with a valve insert matched to the heat output. k<sub>v</sub> is assigned according to practical test parameters 70/55/20 °C at a differential pressure of 100 mbar. With an identical mass flow ratio, all other temperature pairings that lie on the same characteristic curve in the heating surface dimensioning diagram are also possible. The hydraulic ratios always remain the same.

#### One-pipe system:

If the compact valve convectors are used in a one-pipe system, the valve insert should be turned to position "8".

### Identification on valve



	Position	Colour	k <sub>v</sub> value	Control difference
V3K-F	5.5	yellow	0.10	1 K
	2.5	White	0.22	1 K
V3K-S	4.5	Red	0.31	1 K
	6	Black	0.37	1 K
	8	Blue	0.75	2 K





# Kermi colour concept

The innovative colour concept. Keeping with current trends.

## Standard colour



White, RAL 9016

## RAL CLASSIC



Paint finish available in every RAL CLASSIC colour

Additional colours:  
Price on request.

## Colour editions



### Metallic edition



Onyx



Slate



Lava



Anthracite Grey



Graphite Metallic



Aluminium Grey



Classic Grey



Aluminium January



Ice Blue



Mid Blue



Ripol



### Terra edition



Dark Brown



Classic Copper



Noble Gold



Orange Brown



Noble Pink



Sahara Brown



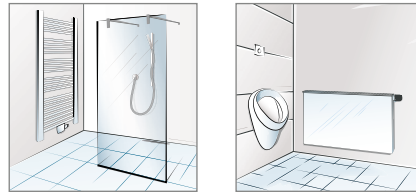
Grey Gold

## Hot-dip galvanised (textured paint RAL 9016)

Hard-wearing anti-corrosion protection for tough requirements in areas with a humid and/or aggressive atmosphere (e.g. industrial plants, indoor swimming pools, etc.). Also for rooms that are regularly wet-cleaned with a high-pressure cleaner. Hot-dip galvanising provides the best possible anti-corrosion protection for these areas.

## Anti-corrosion coating

The new Kermit anti-corrosion coating is ideally suited for areas where greater protection against humidity and moisture is necessary. A paint finish is possible in any colour you wish, in the familiar high Kermit quality, of course.



Additional charge:  
Hot-dip galvanised: 180 %

Additional charge:  
Anti-corrosion coating:  
White: 40 %  
Colour: on request



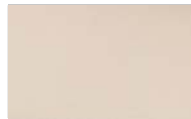
Pastell edition



Tranquil



Aegean



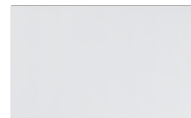
Ivory



Pergamon



Breeze



Edelweiss



Snow

Additional charge:  
Colour editions: 25 %  
RAL Classic: 25 %  
Additional colours:  
On request

Please specify edition and colour when ordering.

Ordering example:  
Colour Forest,  
Nature edition



Nature edition



Teak



Maple



Sunny



Solaris



Reed



Forest

Colour variations are unavoidable for technical reasons related to printing.



x-change  
heat pump



x-buffer  
heat storage



x-net panel heating/  
cooling



therm-x2  
steel panel radiator



x-well residential  
ventilation



design and  
bathroom radiators



heating panel



convector



wet floor system



shower enclosure

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