

Trench Convector

Katherm QK

Tested  
according to:  
**EN 16430**





A photograph of a modern office interior. In the foreground, there are several black leather ottomans and a long black leather bench with a white rectangular table on top. The floor is a light grey polished concrete. To the right, a long wall of floor-to-ceiling windows provides a view of the outdoors. Along the base of these windows, a long, low-profile white heating unit with a metal grille is installed. In the background, there is a white reception desk with the word 'info' on it, and a yellow slatted partition wall. The overall atmosphere is bright and professional.

## Produces an optimum indoor climate

The coordinated interplay of whisper-quiet EC tangential fan and high-output copper-aluminium convector ensures an optimum indoor climate. This produces a high heat output combined with low sound levels.

## It's your choice

You have the choice of two widths, twelve lengths, 24V control option and extensive accessories. With guaranteed EN 16430-compliant outputs.

Advantages 1 | 3



A close-up photograph of a metal grille, likely for a building facade. The grille consists of many thin, parallel metal bars. A dark, possibly black, frame is visible, which the text describes as a 'matching frame'. The lighting is dramatic, with strong highlights and shadows, emphasizing the texture and geometry of the metal.

## Tailor-made

Your customer gets the thing you appreciate about Kampmann: individual made-to-fit trenches for all façades. Regardless of whether you need mitred corners, curved trenches, column cutouts etc.

## With a matching frame

The matching frame for every grille finish – all possible for the Katherm QK. The icing on the cake for a perfect look.





## Easy installation

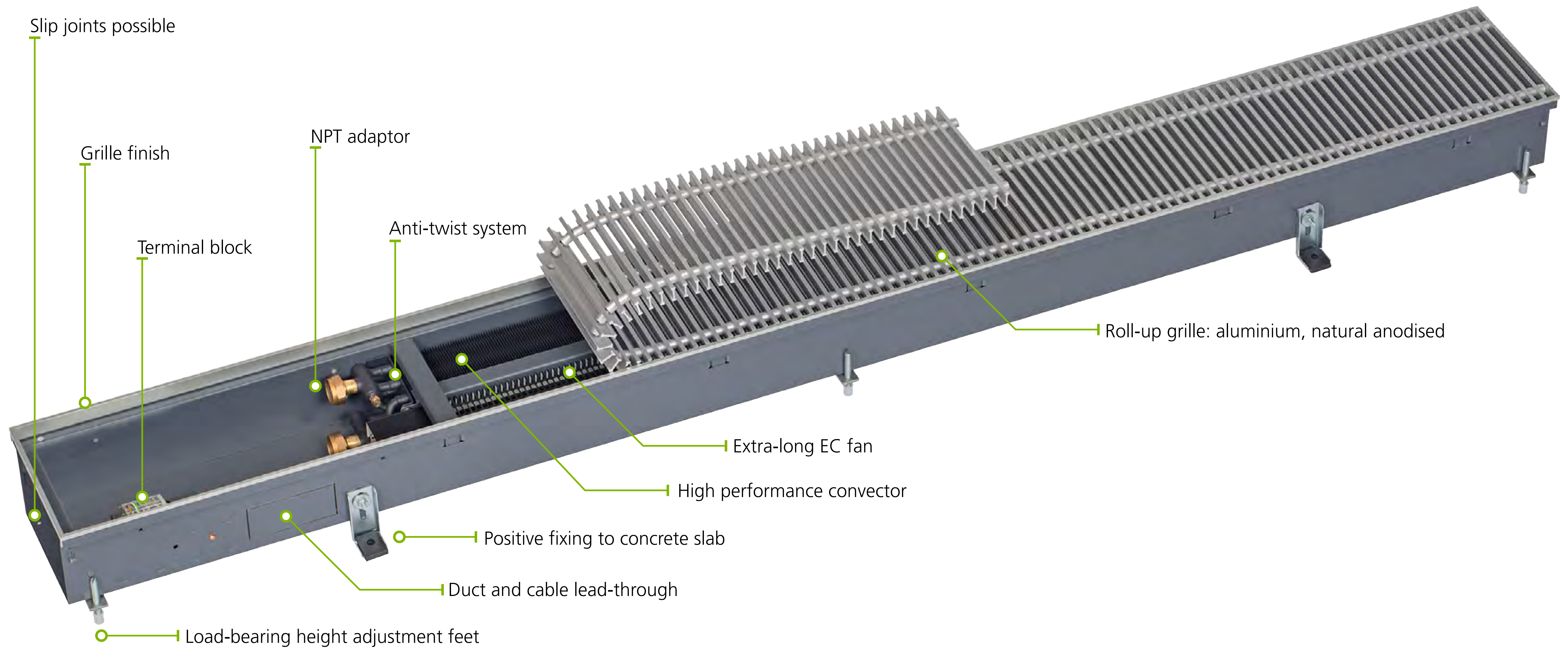
Work on site is far easier with the Eurokonus valve connection. Other standard features, such as height adjustment feet and load-bearing raised floor brackets, reduce installation time and thus also costs.

## Flexible

Katherm QK trench units can be equipped as standard with a 0-10V BMS interface for Fan speed control. Units can be supplied individually or in banks with a choice of Class 2 Transformers. All units have been designed specifically for the North American market and are therefore fully certified to UL/cUL 1995 (CSA C22.2).







Katherm QK at a glance



## Slip joints possible

- > to allow continuous grille appearance

## Cover plate

- > as visual cover and protection against dirt ingress

## Coloured frame

- > to match grille finish

## Pipe and cable openings

- > for water and electrical connections
- > punched

## Positive fixing to concrete slab

- > for stable installation within screeded and raised floors

## Load-bearing height adjustment feet

- > for stable installation within screeded and raised floors
- > standard





## High-performance convector

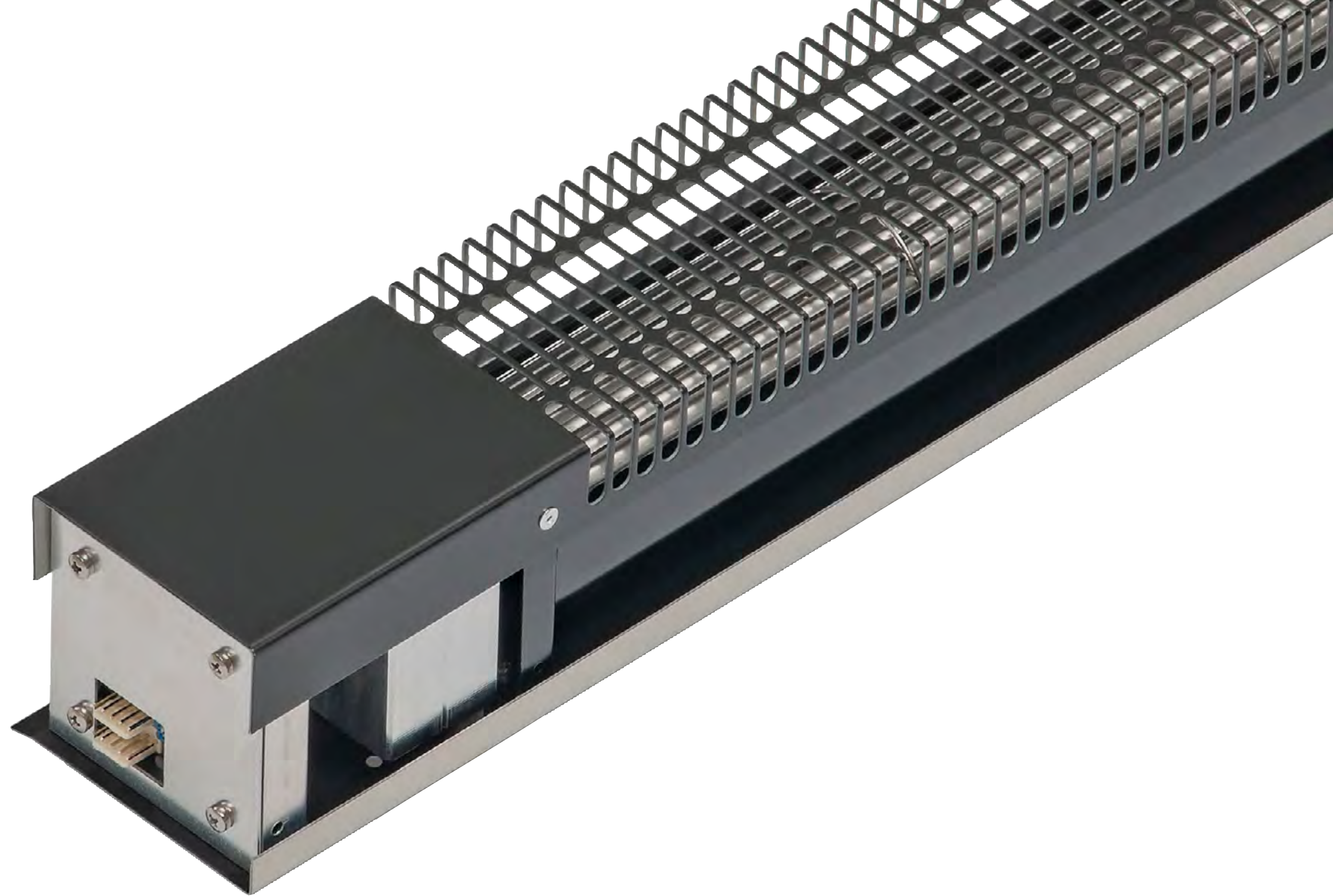
- > a proven combination of copper/aluminium
- > optimised for airflow and heat transfer
- > coated graphite-grey
- > NPT adaptors available on request





## Extra long EC fan

- > for uniform convector airflow
- > resulting in high heat outputs at low sound emissions



Details 3|4



## Control

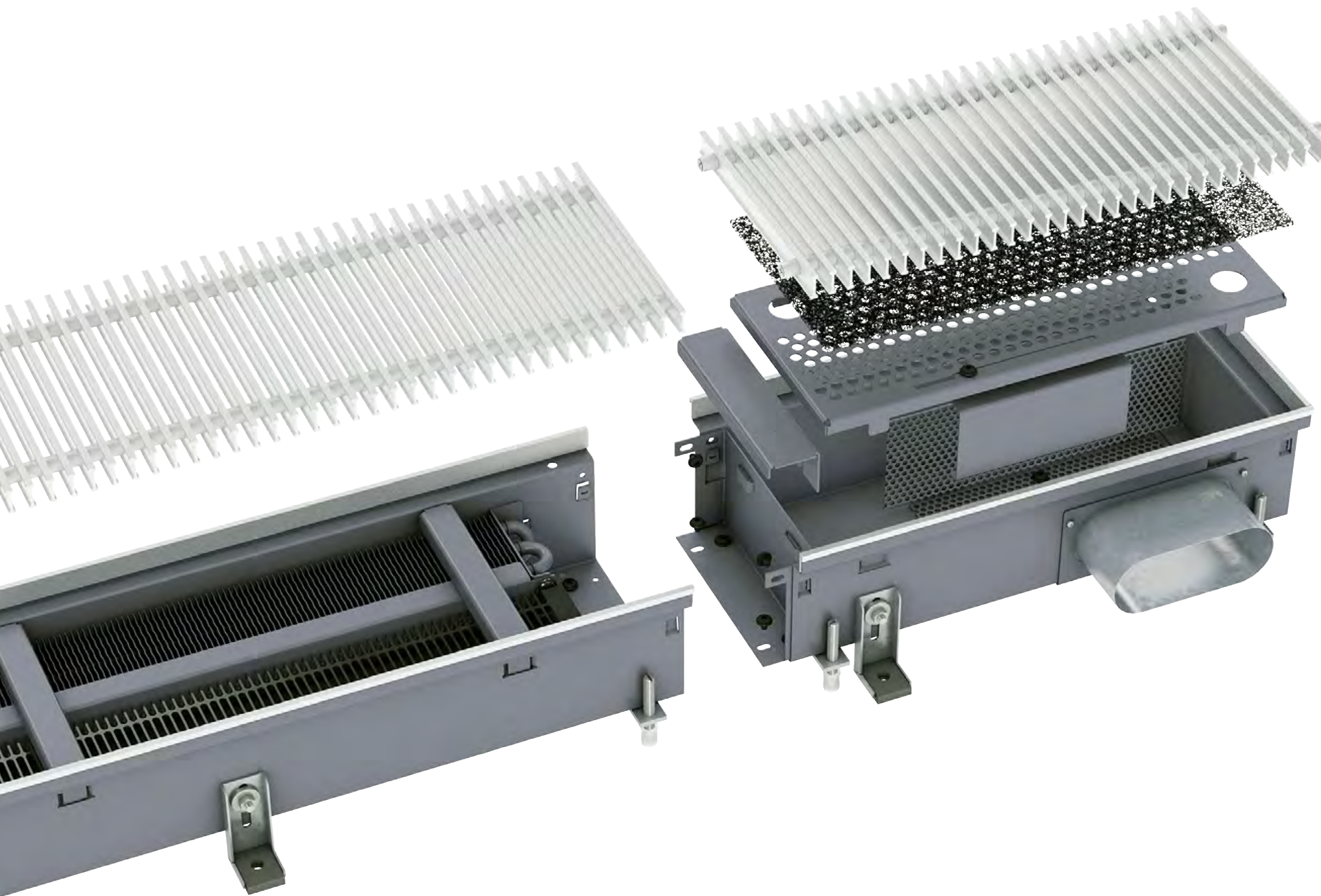
- > Power supply 24V
- > Optional DIN rail Class 2 Transformers for 120V/60Hz supply
- > Fan speed control 20 to 100 % via 0-10V BMS signal

## Terminal block

- > with BMS-Interface
- > for an easy and safe electrical connection
- > saves installation time
- > included in standard
- > Electrical connections: 1 x BMS and 1 x 24V Supply connection per unit up to 3200mm (126") long





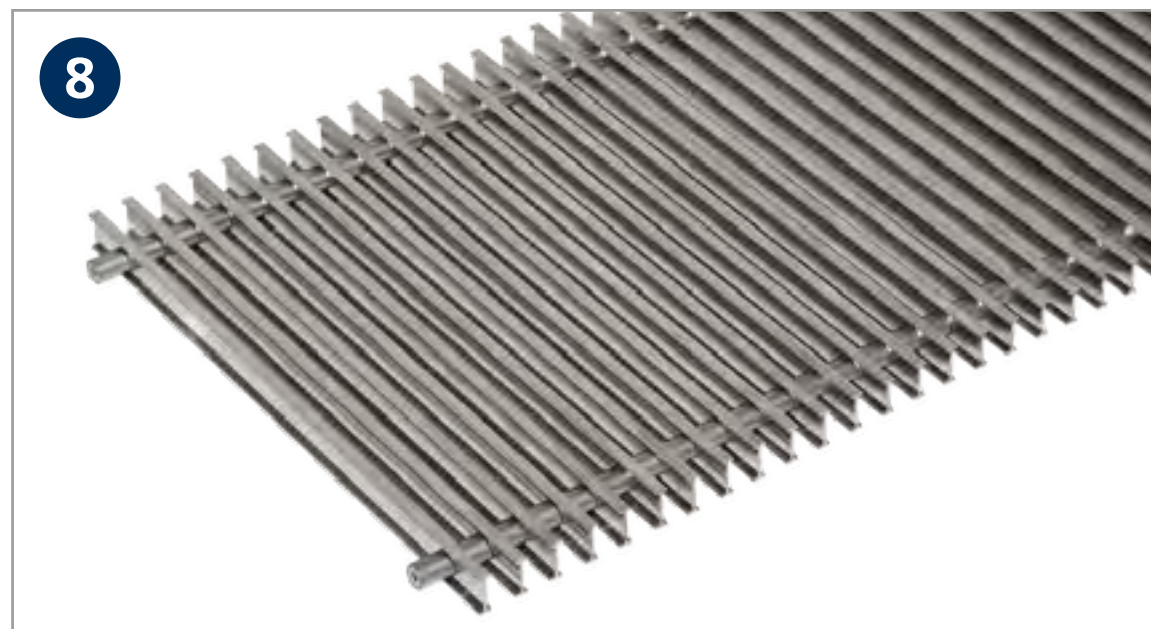
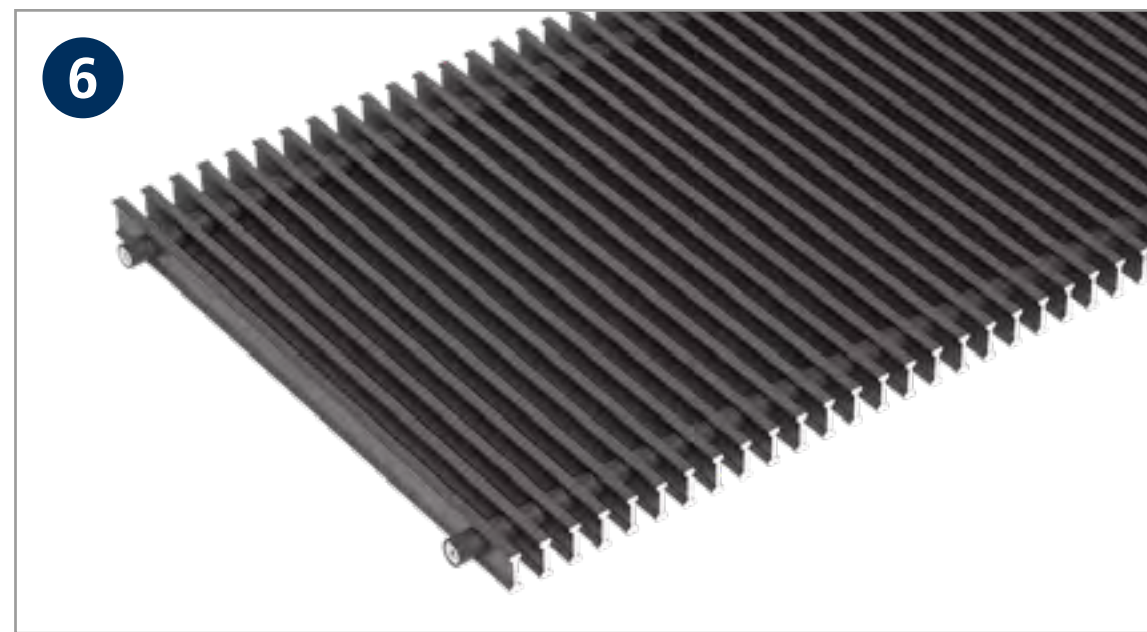
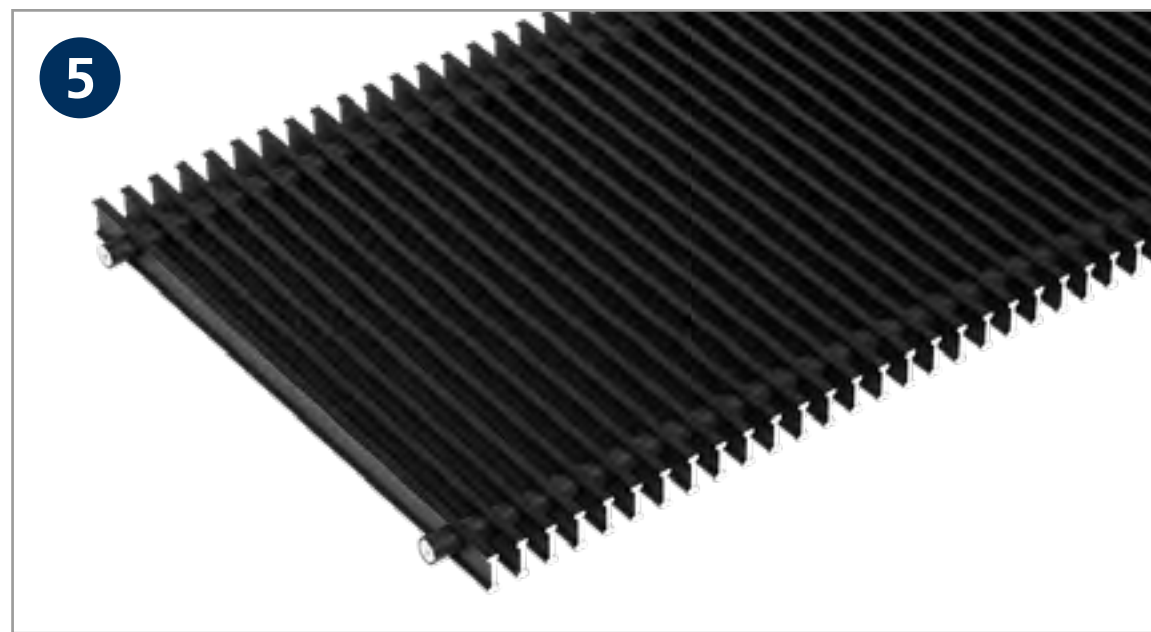
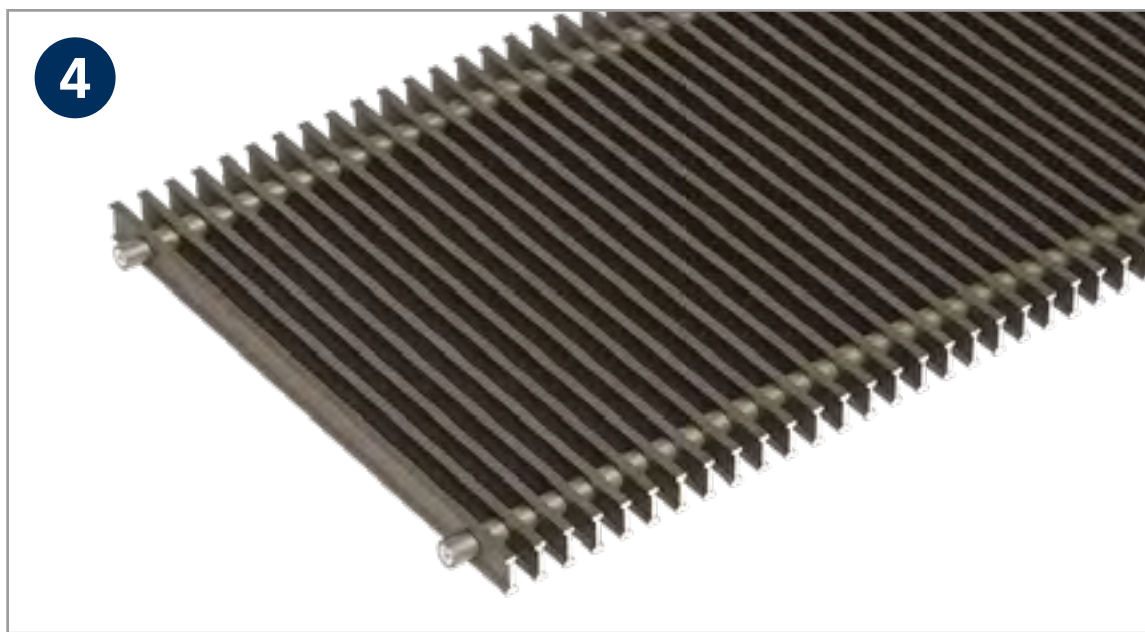
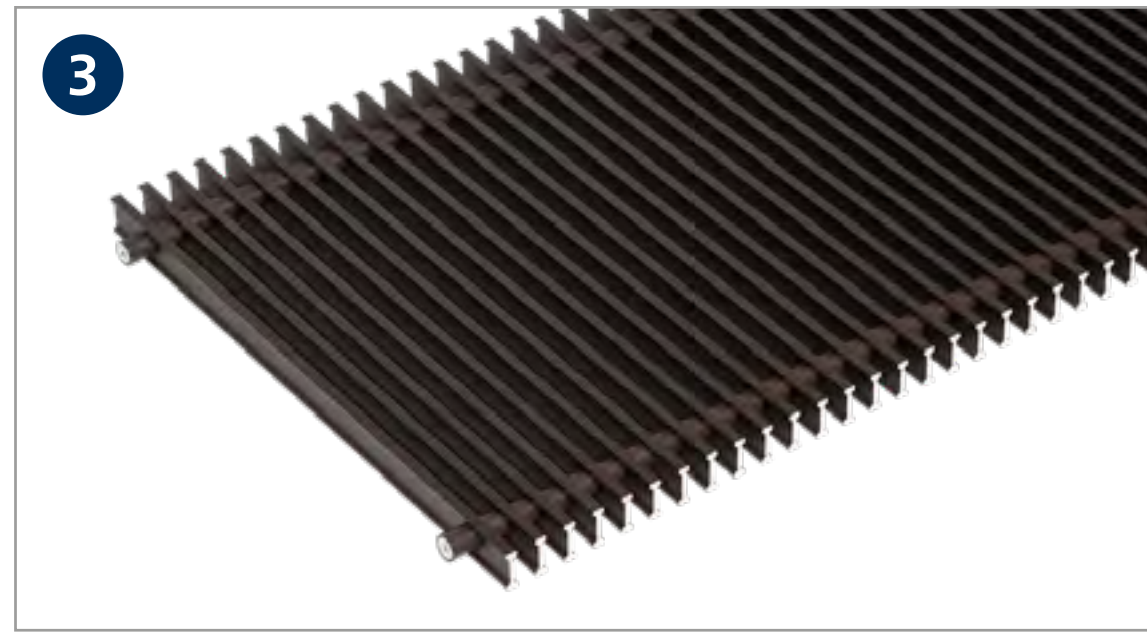
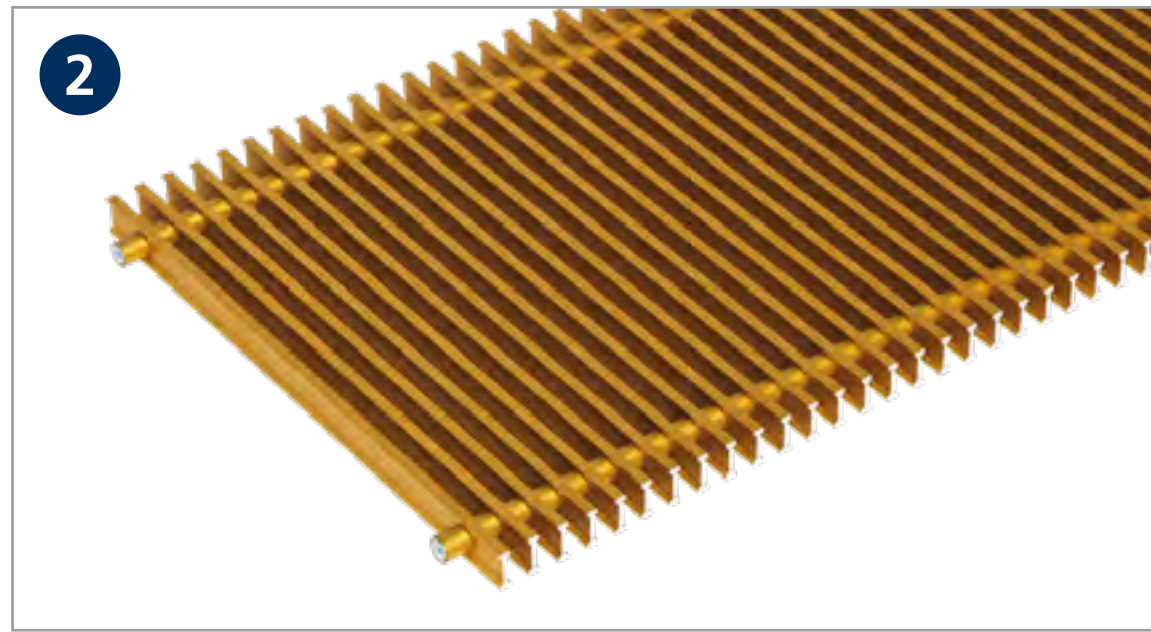
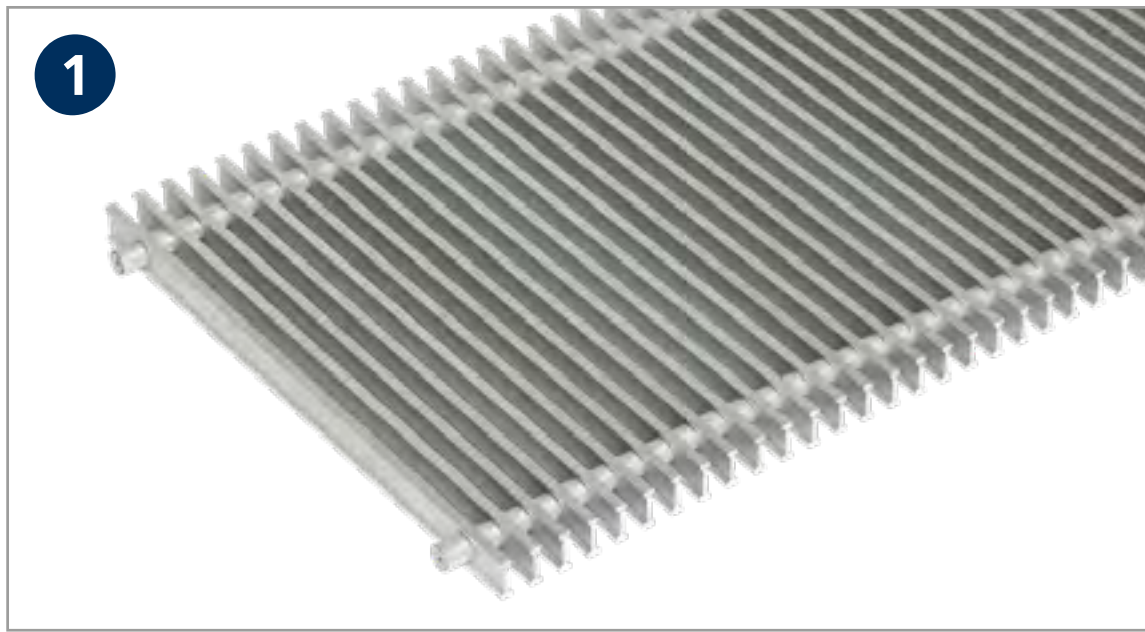


## Combination of Katherm QK supply air module

- > treated supply air can be fed into rooms through the Katherm supply air module (Length 400 mm)

Katherm supply air module





- 1 Aluminium, natural anodised
- 2 Aluminium, brass anodised
- 3 Aluminium, bronze anodised
- 4 Aluminium, bronze finish
- 5 Aluminium, black anodised
- 6 Aluminium, basalt grey painted DB 703
- 7 Stainless steel
- 8 Stainless steel, polished
- 9 Brass, natural

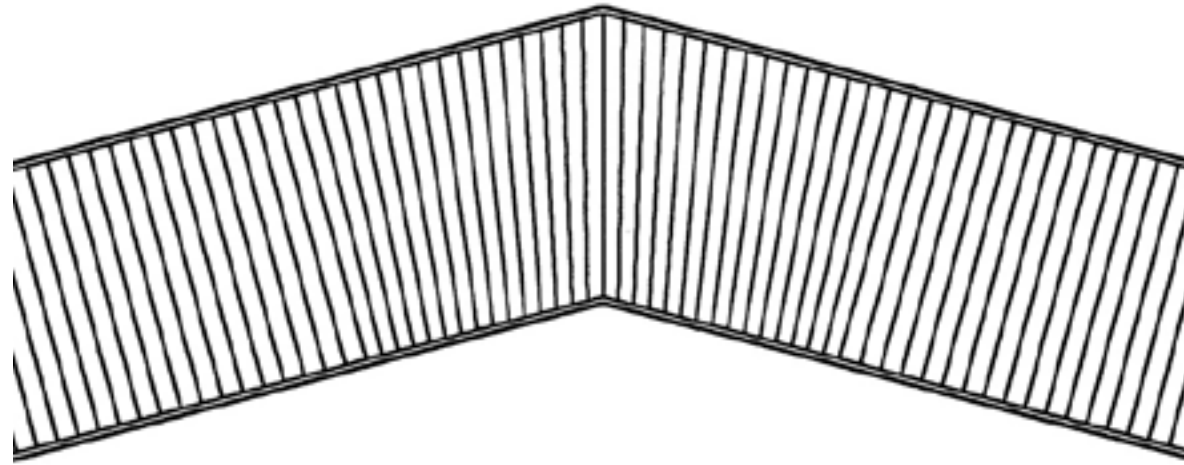
#### Aluminium roll-up grille, natural anodised:

- ▶ double T-profile roll-up grille
- ▶ bar dimension 18 x 5 mm  
(stainless steel 18 x 6 mm)
- ▶ bar spacing 12 or 9 mm  
(stainless steel 10.5 mm)
- ▶ connections made of corrosion-proof steel  
springs with spacers in a matching colour
- ▶ 70 % free area (bar spacing 12 mm) or  
65 % free area (bar spacing 9 mm)

Matching grilles

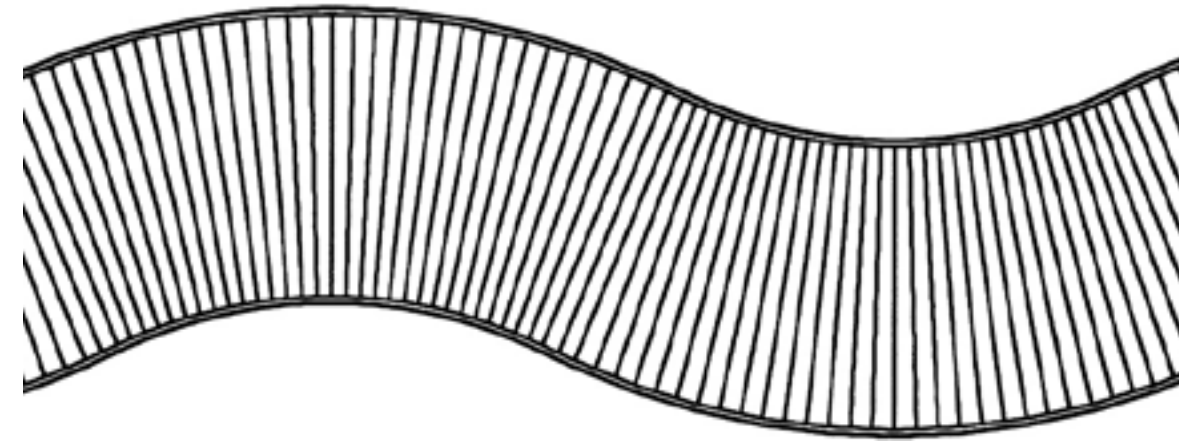


We can even cope with challenging sites with ease with our range of possible shapes and sizes.  
The following options are possible:



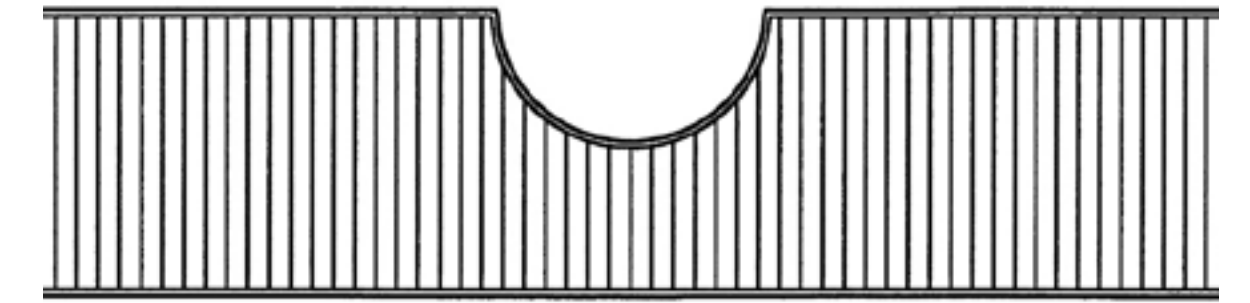
#### Mitred corners

- > Any angle possible
- > Curved



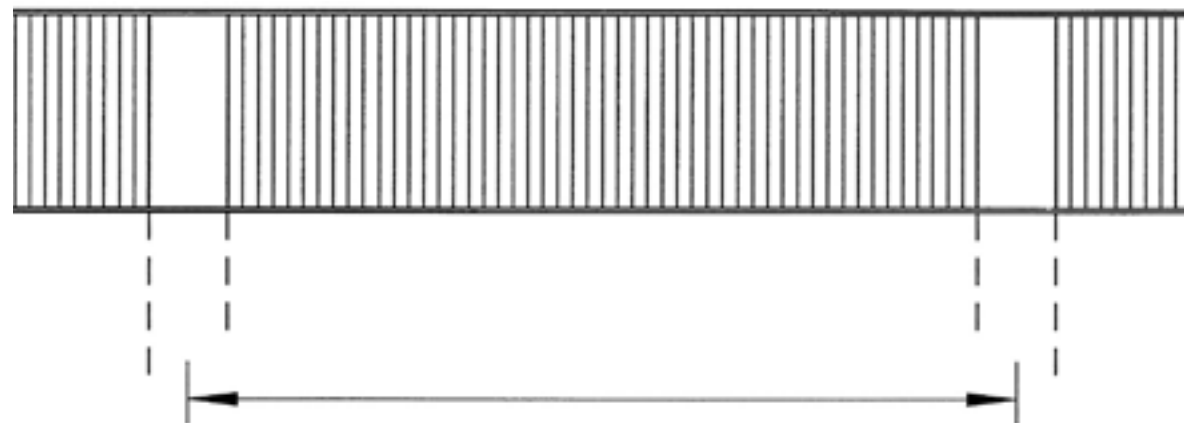
#### Curves

- > Design of all components in a curved shape



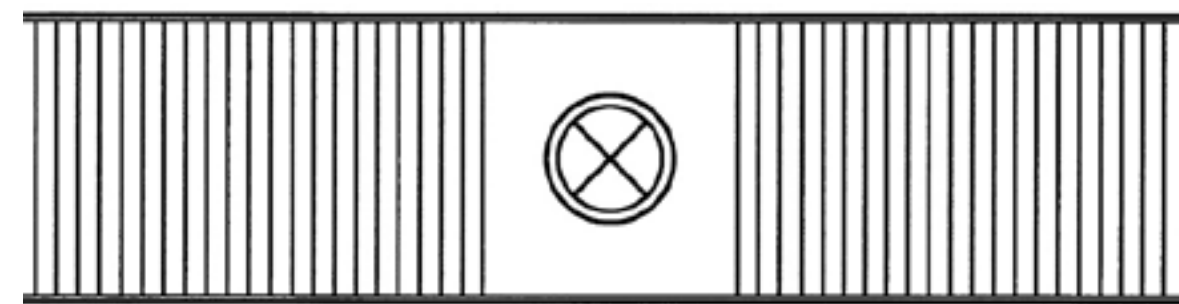
#### Cut-outs in the grille itself

- > Integration of building parts, such as columns, mullions, etc.



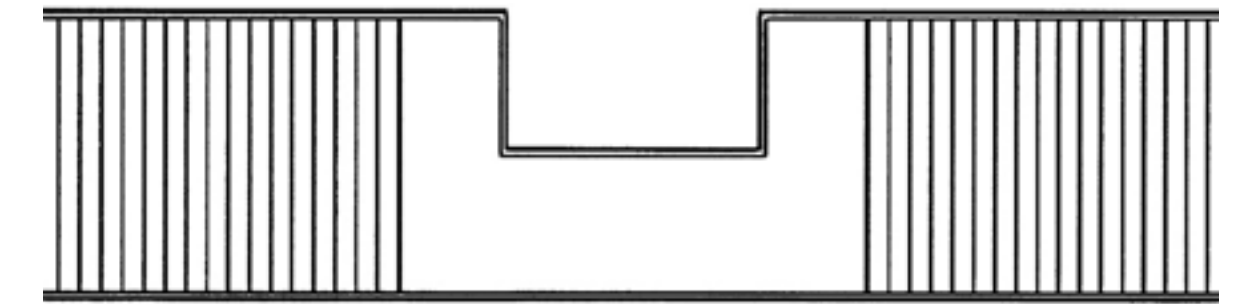
#### Cover plates at mullion positions

- > Polygonal shapes along building façade



#### Cover plate for an electrical installation

- > Luminaires
- > Sockets



#### Cut-outs with a cover plate

- > Integration of building parts, such as columns, mullions, etc.



Model	Heat output <sup>1) 2)</sup>										Sound pressure level <sup>3) 4)</sup>	Sound power level <sup>4)</sup>
	at LPHW 82/71 °C (180/160 °F)		at LPHW 75/65 °C (167/149 °F)		at LPHW 60/50 °C (140/122 °F)		at LPHW 49/43 °C (120/110 °F)		at LPHW 40/35 °C (105/95 °F)			
	[W]	[BTU]	[W]	[BTU]	[W]	[BTU]	[W]	[BTU]	[W]	[BTU]		
QK 190	496-6558	1692-22377	437-5781	1491-19726	302-4001	1030-13652	222-2944	757-10045	147-1957	502-6678	< 20 – 41	< 28 – 49
QK 215	589-6870	2010-23441	522-6025	1781-20558	367-4107	1252-14014	274-2985	935-10185	185-1951	631-6657	< 20 – 41	< 28 – 49

<sup>1)</sup> With fan-assisted convection, with trench lengths of 1000 mm to 3200 mm, at a room temperature of 20 °C, for bar spacing 12 mm; free area approx 70 %.

<sup>2)</sup> Heat outputs for bar spacing 9 mm; free area approx. 65 % can be obtained from the calculation programme.

<sup>3)</sup> The sound pressure levels were calculated with an assumed room insulation of 8 dB(A). This corresponds to a distance of 2 m, a room volume of 100 m³ and a reverberation time of 0.5 s (in accordance with VDI 2081).

<sup>4)</sup> Sound pressure level < 20 dB (A) and sound power level < 28 dB (A) outside the usual measuring and audible range.

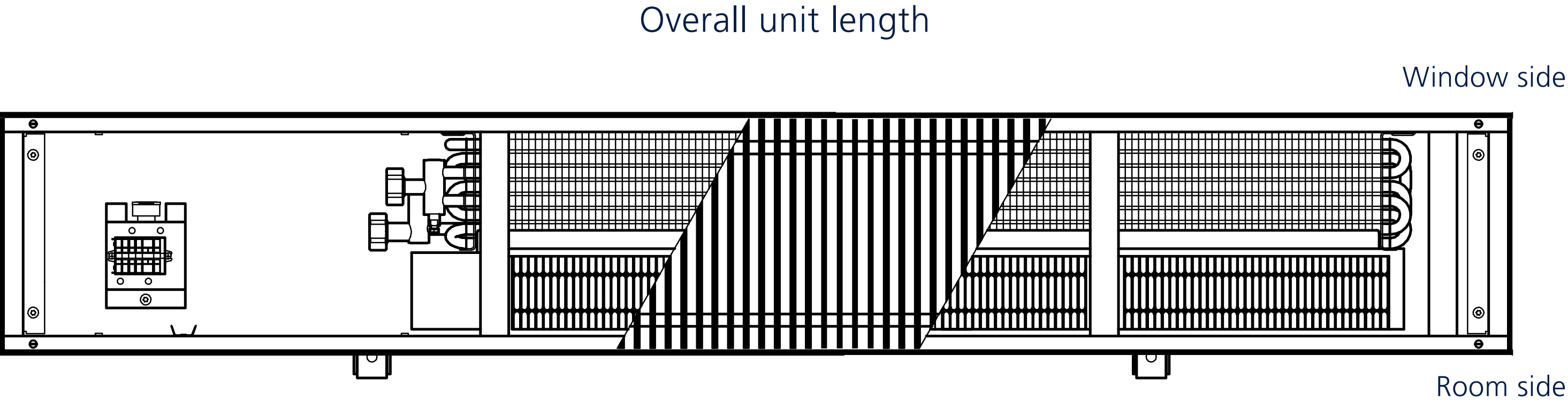
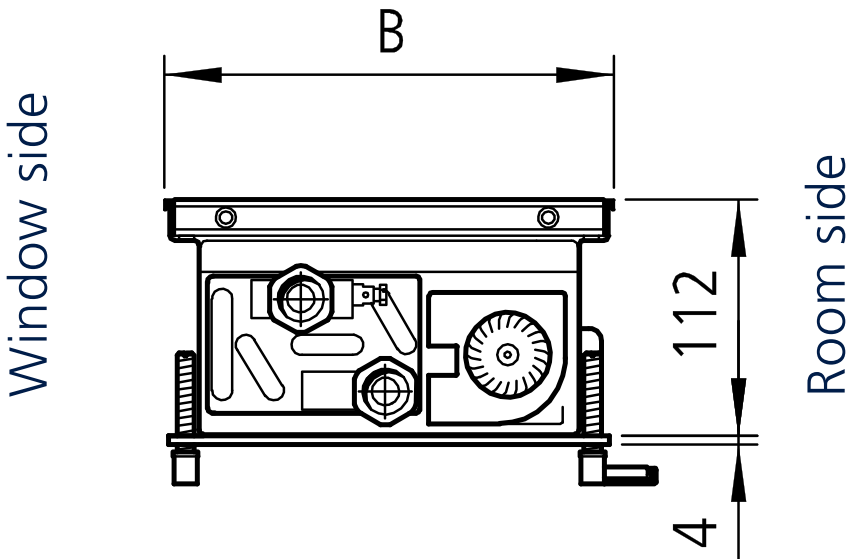
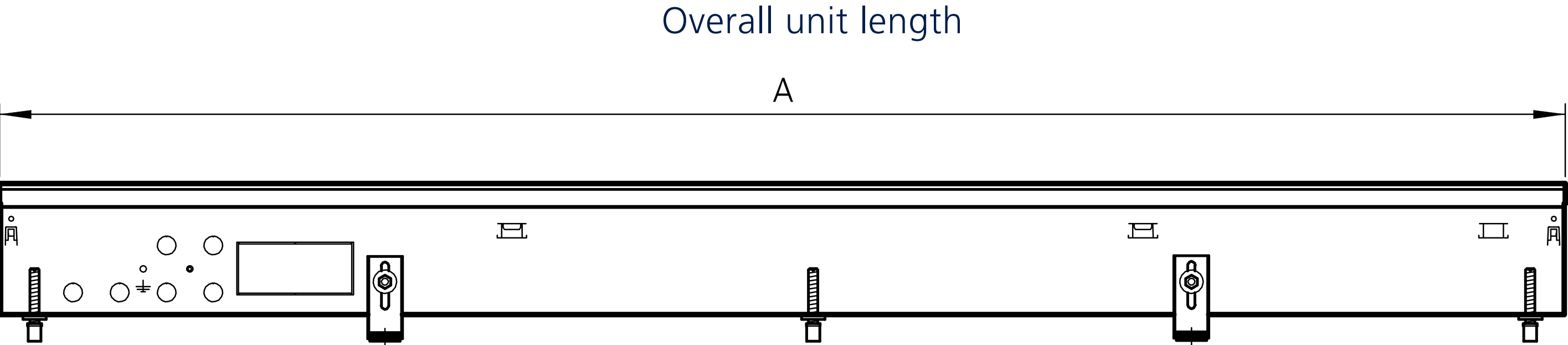
Detailed information at [Kampmann.ca](https://www.kampmann.ca)



Performance data







Model	Unit width		Unit height	
	[mm]	[in]	[mm]	[in]
QK 190	190	7.48	112 (+4)	4.41 (+0.16)
QK 215	215	8.46	112 (+4)	4.41 (+0.16)

Model	Unit lenght	
	[mm]	[in]
QK 190	1000 - 3200	39.37 - 125.98
QK 215	1000 - 3200	39.37 - 125.98

Dimensions



A photograph of two men in business attire sitting at a table. The man on the left, wearing glasses and a dark blazer over a light blue shirt, is smiling and looking towards the other man. The man on the right, also in a dark blazer and light blue shirt, is gesturing with his hands while speaking. They are both holding pens. On the table, there is a laptop, a cup of coffee, and some papers. The background is a bright, modern office setting.

## Benefits for you!

Kampmann offers you the following service benefits:

- > On-site consultation
- > Diverse sampling
- > Planning support
- > Detailed discussions
- > Site-surveys
- > Individual training
- > After Sales Service

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