

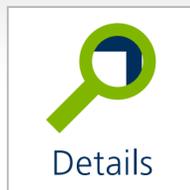
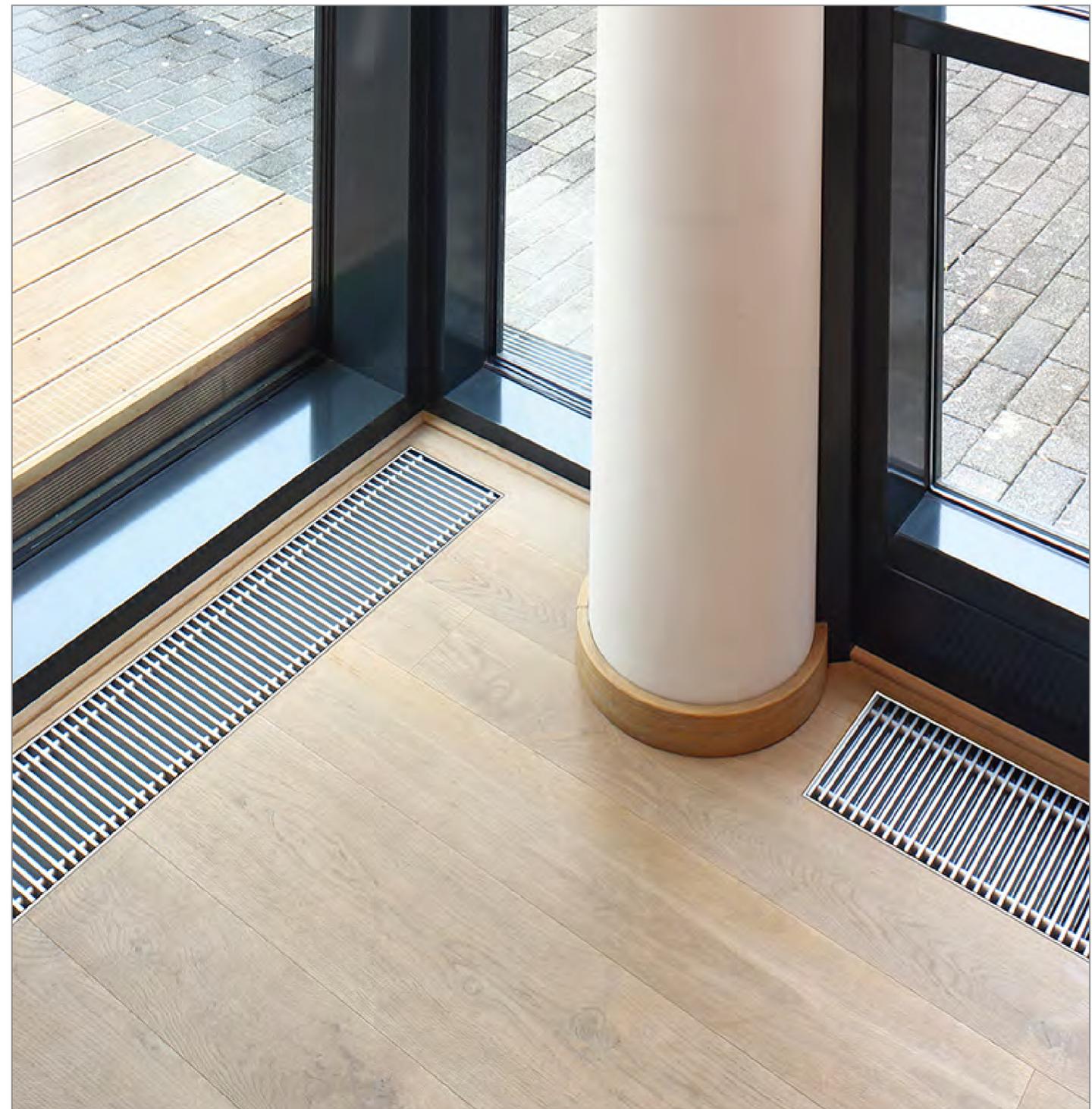
Trench convector

Katherm QE

KAMPMAN
Genau mein Klima.

The solution

With an electric heating element, the Katherm QE offers the ideal solution without the need to connect to a water supply. With increased thermal performance through fan assistance.



EC-technology

ECM tangential fans enable easily controllable high heat output yet energy saving operation with ultra low noise levels – suitable for commercial and residential applications alike.

Compact strength

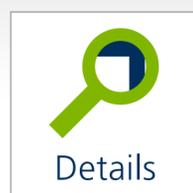
One width. One height. Three lengths – there's no need for more. Every trench has been optimised for efficiency and noise emission.

Design safely

The integrated safety thermostats and temperature cut-outs enable low surface temperatures – giving you added safety. Backed up by certification with Intertek for use across North America.

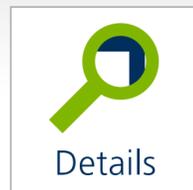
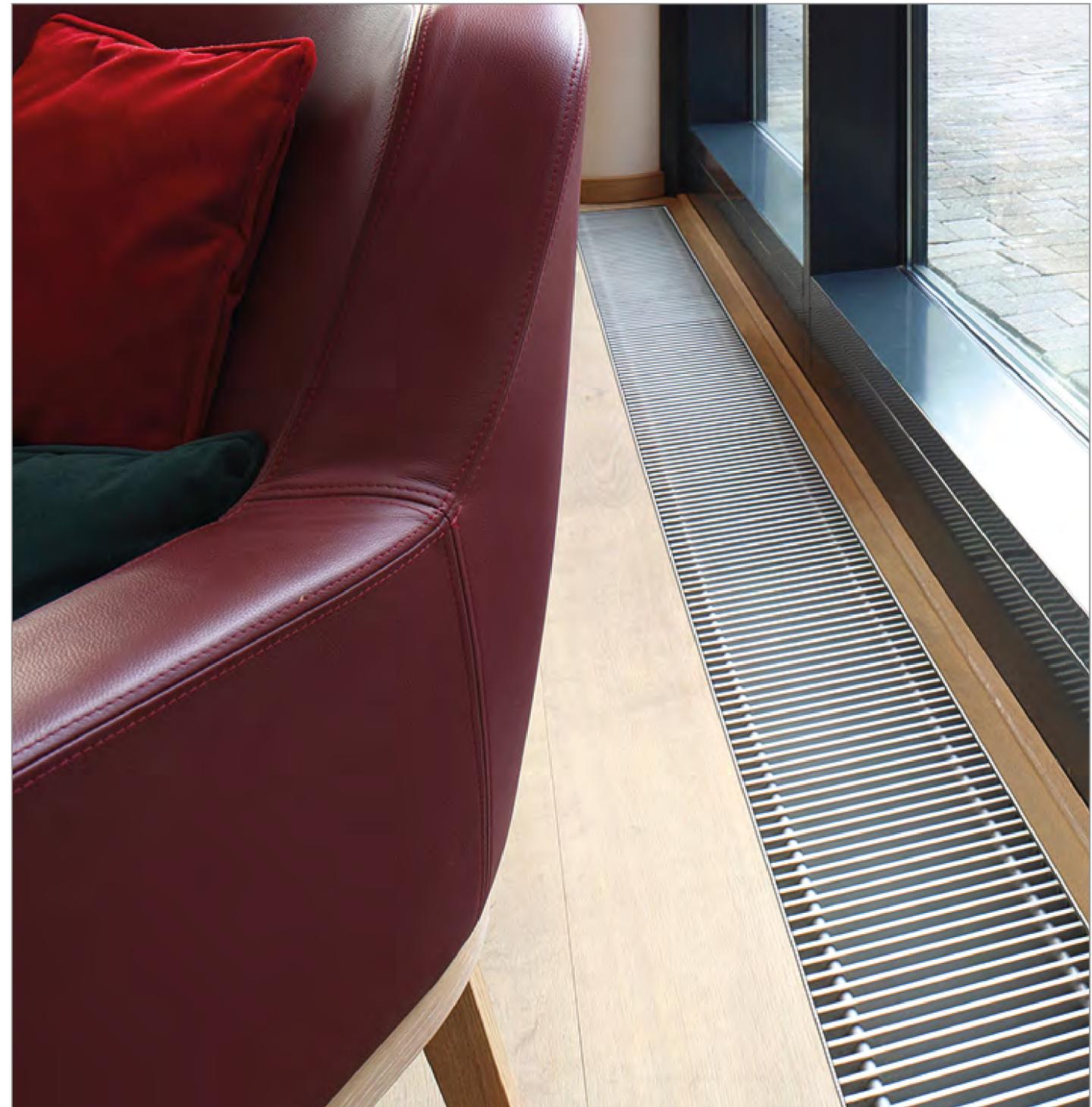
Everything under control

Integral control circuitry to enable continuously variable control via room thermostat or BMS.

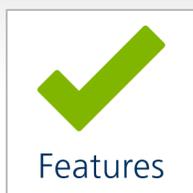
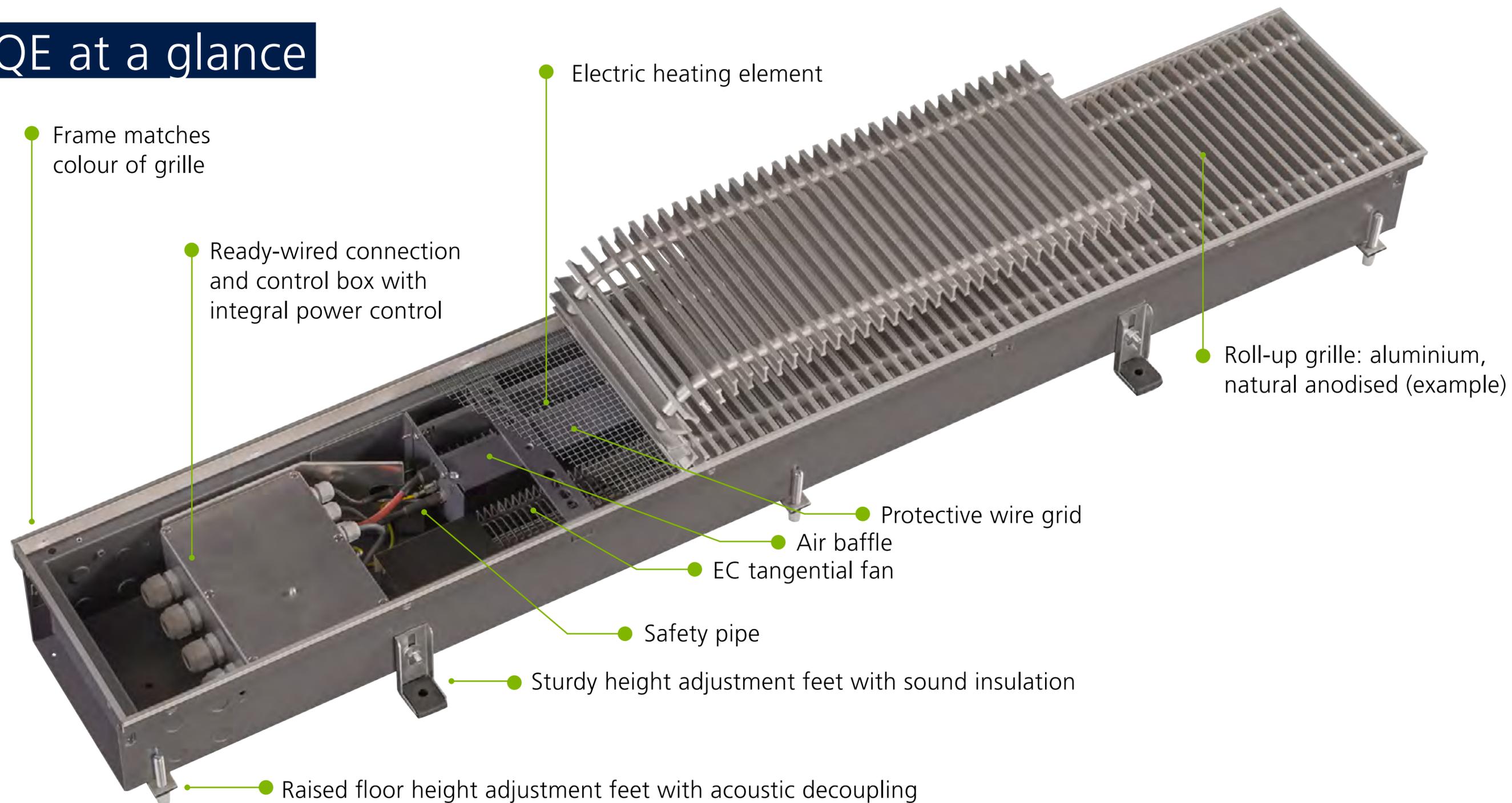


With a matching frame

Harmonious look without a break in style –
a matching frame ‚profile‘ for every roll-up grille.



Katherm QE at a glance



Features



Details



Control



Data



Grilles

Electric heating element wiring

- ▶ protection class IP 65
- ▶ heating element factory-wired into control unit



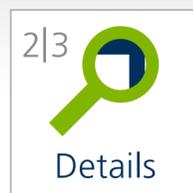
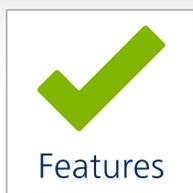
Cover plate

- ▶ as visual protection of the connections
- ▶ with integral ventilation slot



Grille fixing

- ▶ acts as a touch guard, factory-fitted
- ▶ the grille can only be removed using a tool



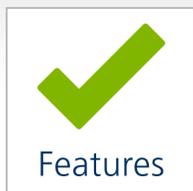
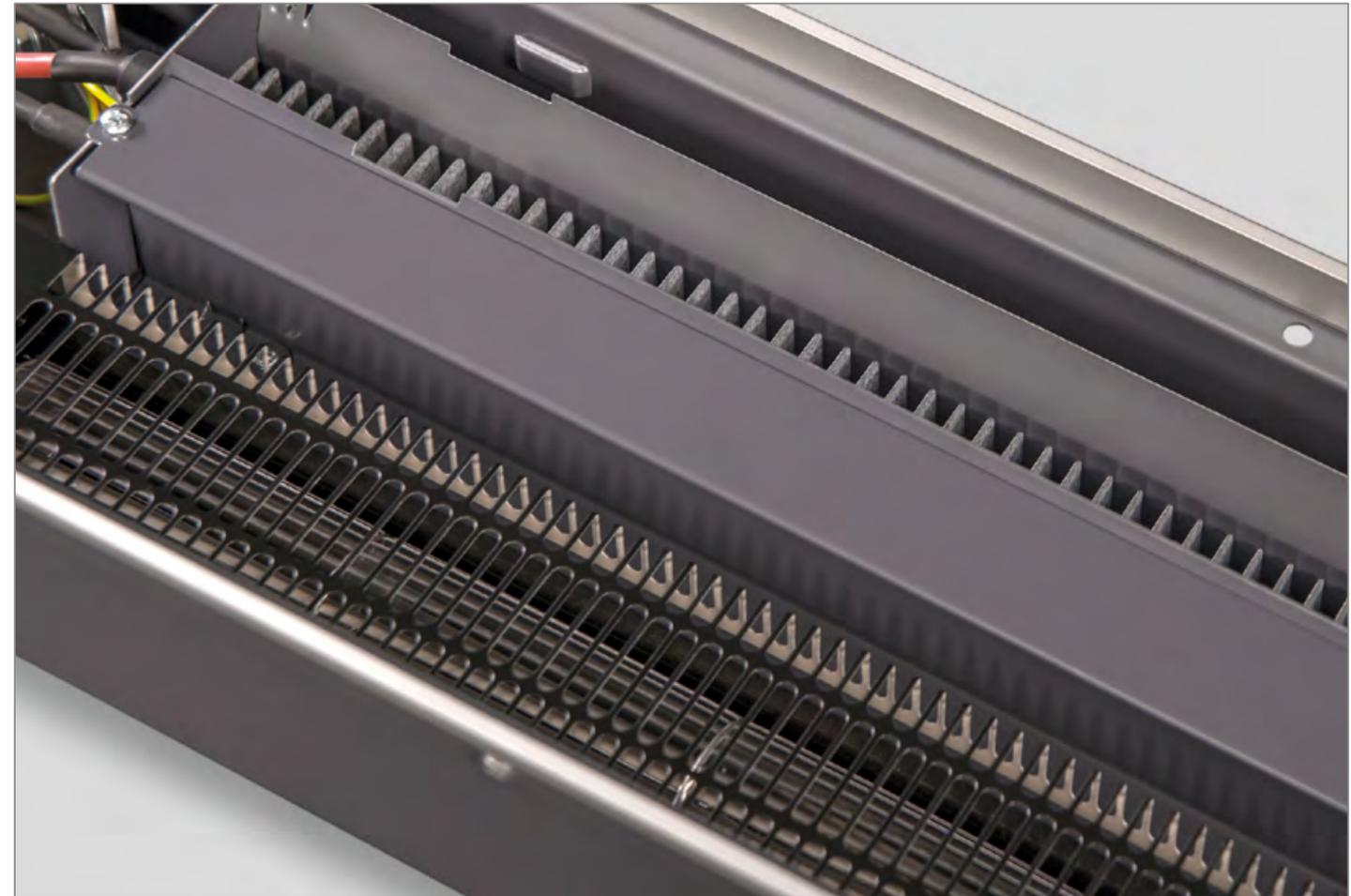
Electrical heating element

- ▶ made from stainless steel/aluminium zinc
- ▶ with 0-100 % output control
- ▶ electrical heating element and fan speed controlled via a 0-10 V signal

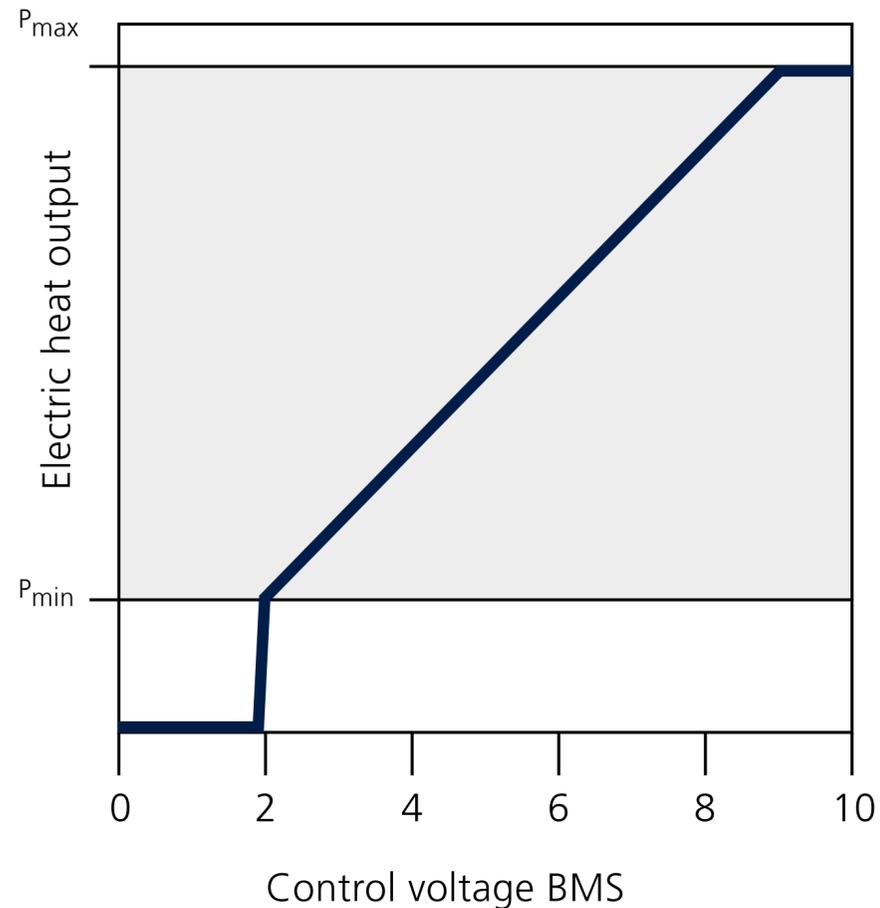


EC tangential fan

- ▶ with integral grille as a safety guard
- ▶ for an even airflow through the heating element, providing high heat outputs with low noise emissions
- ▶ infinitely variable speed control via an external 0-10 V signal
- ▶ motor monitoring with internal fault processing



Control



Power control

Proportional control of speed and heat output

- ▶ with a 2 V control signal: minimum speed of the EC tangential fan and minimum heat output from the electric heating element
- ▶ when the control voltage is increased: the fan speed increases and the heat output increases proportionately
- ▶ the ideal electric heat output is available for every air volume

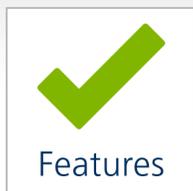


Room temperature control

in a flat surface-mounted housing

- ▶ simple to operate
- ▶ with internal sensor for room temperature measurement
- ▶ for the control of the heat output proportional to the output voltage of the room temperature controller
- ▶ control range of 5-30 °C (41 to 86 °F)

Alternatively control can be provided via an external building management system (BMS).



Features



Details



Control



Data



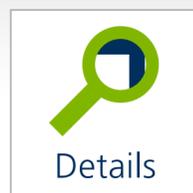
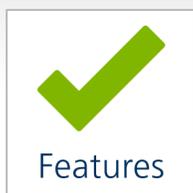
Grilles

Performance data

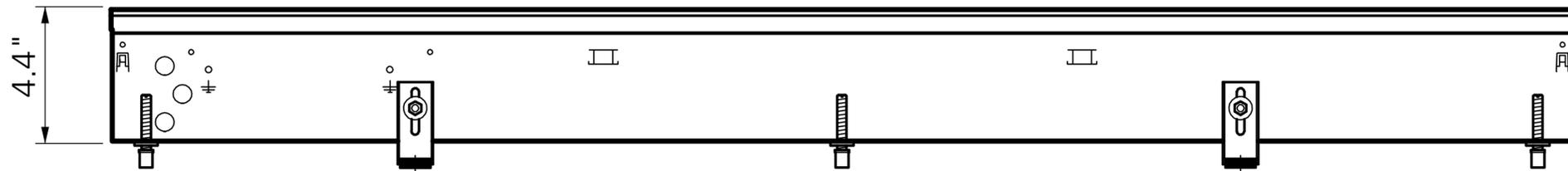
Operating level	Control signal	Heat output		Electrical power consumption	Current consumption	Sound pressure level ¹⁾	Sound power level
	[V]	[W]	[BTU/h]	[W]	[A]	[dB(A)]	[dB(A)]
Trench length 32.5 inch							
Boost stage	10	660	2252	6	3.5	28	36
Design stages	8	530	1808	5	3.1	26	34
	6	400	1365	4	2.4	21	29
	4	260	887	3	1.5	<20 ²⁾	<28 ²⁾
Minimum stage	2	130	444	3	0.7	<20 ²⁾	<28 ²⁾
Trench length 49.2 inch							
Boost stage	10	1300	4436	7	7.0	31	39
Design stages	8	1040	3549	6	6.3	29	37
	6	780	2661	5	4.7	24	32
	4	520	1774	4	3.0	<20 ²⁾	<28 ²⁾
Minimum stage	2	260	887	3	1.5	<20 ²⁾	<28 ²⁾
Trench length 66.9 inch							
Boost stage	10	2000	6824	7	10.6	33	41
Design stages	8	1600	5459	6	9.5	31	39
	6	1200	4095	5	7.2	26	34
	4	800	2730	4	4.5	<20 ²⁾	<28 ²⁾
Minimum stage	2	400	1365	3	2.2	<20 ²⁾	<28 ²⁾

¹⁾ Measured according to DIN EN ISO 3744.

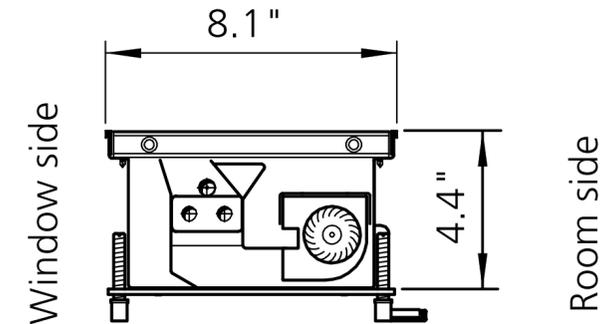
²⁾ Sound pressure level < 20 dB (A) and sound power level < 28 dB (A) outside the usual measuring and audible range.



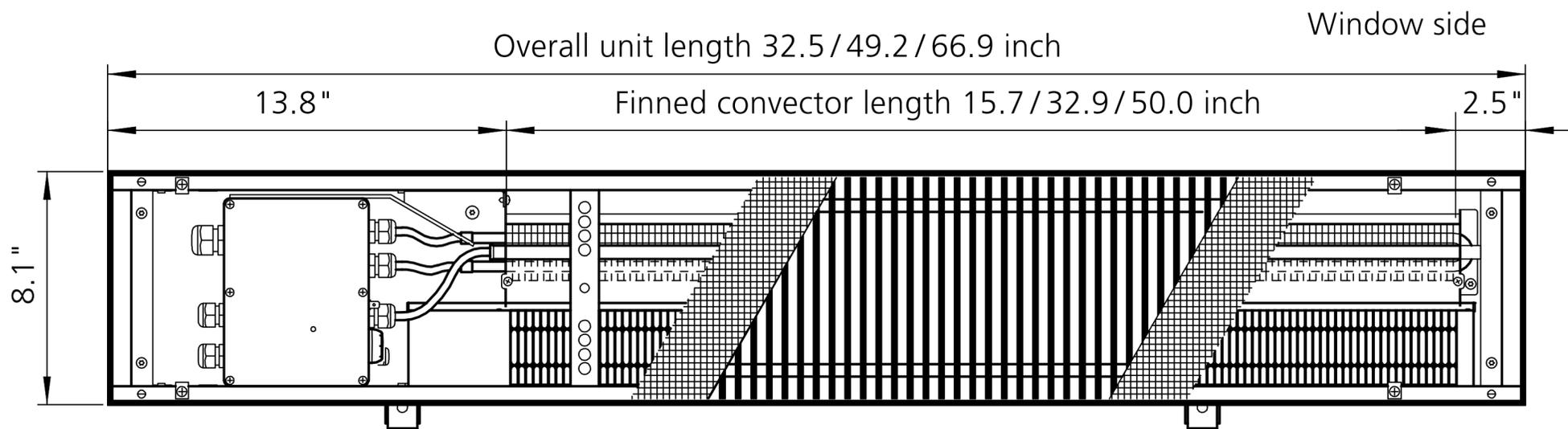
Dimensions



Front view

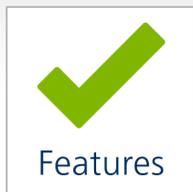


Cross section



Top view (without cover plate)

Length	Width	Height
[in]	[in]	[in]
32.5	8.1	4.4
49.2	8.1	4.4
66.9	8.1	4.4



Features



Details



Control

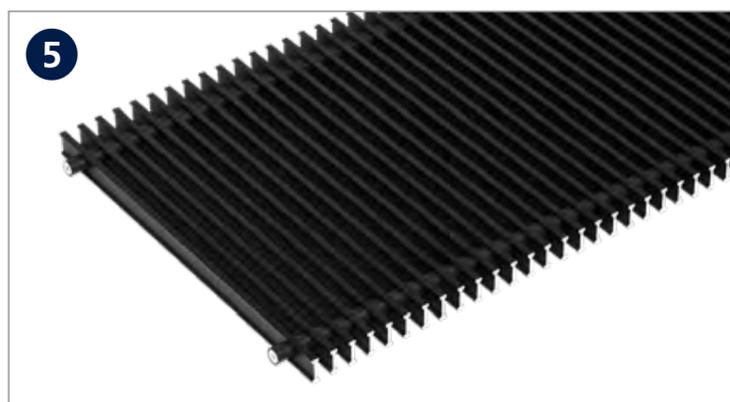
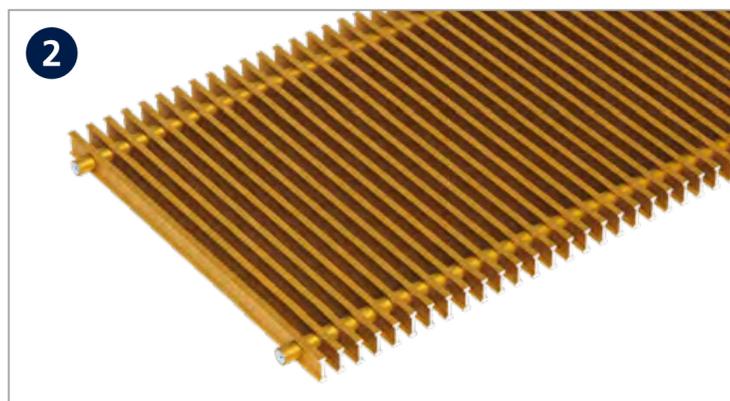
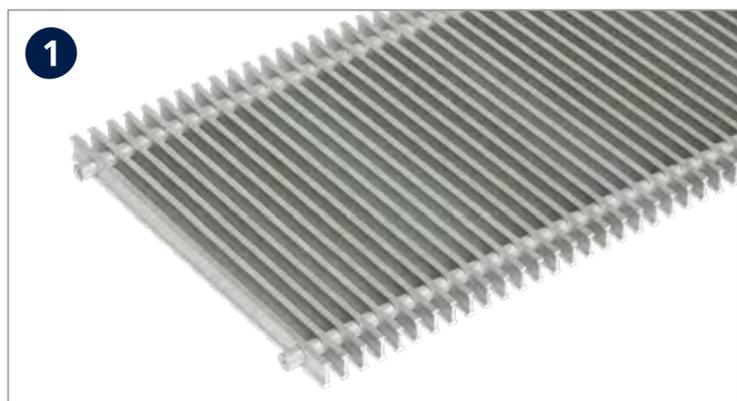


Data



Grilles

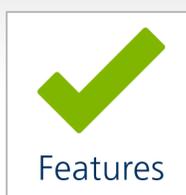
Choice of grilles



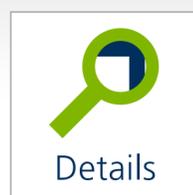
- 1 Aluminium, natural anodised
- 2 Aluminium, brass anodised
- 3 Aluminium, bronze anodised
- 4 Aluminium, bronze finish
- 5 Aluminium, black anodised
- 6 Aluminium, basalt grey painted DB 703
- 7 Stainless steel
- 8 Stainless steel, polished
- 9 Brass, natural

Aluminium roll-up grille, natural anodised:

- ▶ double T-profile roll-up grille
- ▶ bar dimension 0.70 x 0.19 " (stainless steel 0.70 x 0.23 ")
- ▶ bar spacing 0.35 " (stainless steel 0.41 ")
- ▶ connections made of corrosion-proof steel springs with spacers in a matching colour
- ▶ 65 % free area



Features



Details



Control



Data



Grilles

Benefits for you!

Kampmann offers you the following service benefits:

- ▶ on-site consultation
- ▶ planning support
- ▶ site-surveys
- ▶ personal training
- ▶ After Sales Service

Find your contact person here:

[Kampmann.ca/contact](https://www.kampmann.ca/contact)

