

A close-up, black and white photograph of the slats of a door air curtain. The slats are arranged in a repeating pattern, creating a strong sense of depth and texture. The lighting highlights the metallic or plastic surfaces, showing reflections and shadows. The image is partially obscured by a dark blue diagonal overlay on the right side.

Door Air Curtains

Tandem 300

KAMPMAN
Genau mein Klima.

Step this way

One small step and your customers find themselves in a pleasant sales environment. Open doors lower customers' inhibitions to enter a shop. And at the same time, Tandem air screening significantly reduces energy loss.

Save thermal energy

Tandem Door air curtains use a patented combination of both ambient and warm air streams to achieve energy savings of up to 38%. The unheated ambient air stream eliminates adverse turbulence improving performance and reducing heat losses to outside. This gives you a significantly faster return on investment.



Features



Details



Control



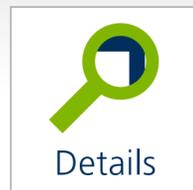
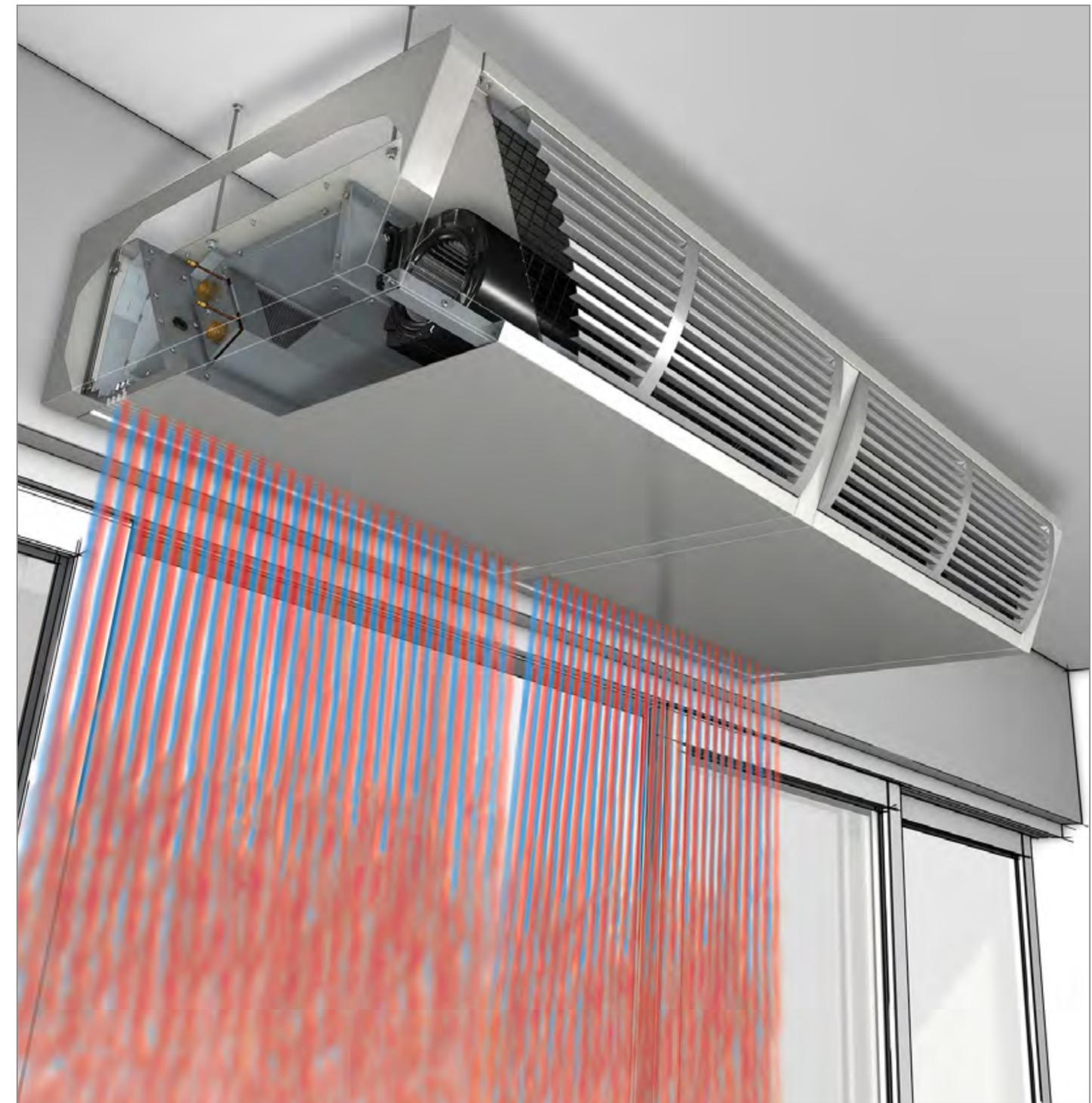
Data

Defying the weather

Adverse weather, in summer and in winter, stays outside, thanks to the enhanced penetration depth between two parallel air streams of different temperatures.

So diverse

We can help you when it comes to deciding whether your unit should be horizontal, ceiling-mounted or with the appearance of a continuous unit with coupling set. That's what sets Kampmann service apart. All special requests are, of course, always considered.



Perfectly controlled

Simple control by the new combined controller. Door air curtains can also be flexibly integrated in automation systems via the BMS interfaces.

Fast delivery

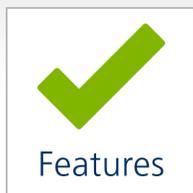
Short delivery times give you flexibility and speed: all standard units are available in the shortest possible time. Following technical clarification, the standard version of the Tandem door air curtain can be delivered within seven days. You can rely on us. After all, your customers rely on you.



Tandem at a glance



- 1 - Side panel
- 2 - Anti-twist device
- 3 - High-output heat exchanger
- 4 - EC radial fan
- 5 - Outlet air rectifier
- 6 - Access panel
- 7 - Air inlet filter
- 8 - Casing

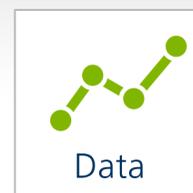
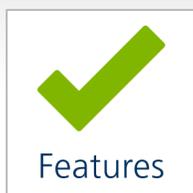


Tandem technology



The combination of

- ▶ unheated ambient air stream,
 - ▶ increased penetration depth due to the Coanda effect, and
 - ▶ lower comparative volume of warm air
- offers energy savings of around 38 %, compared with conventional systems!**



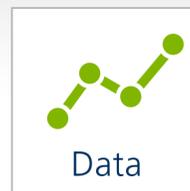
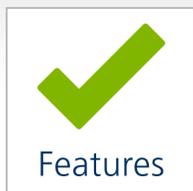
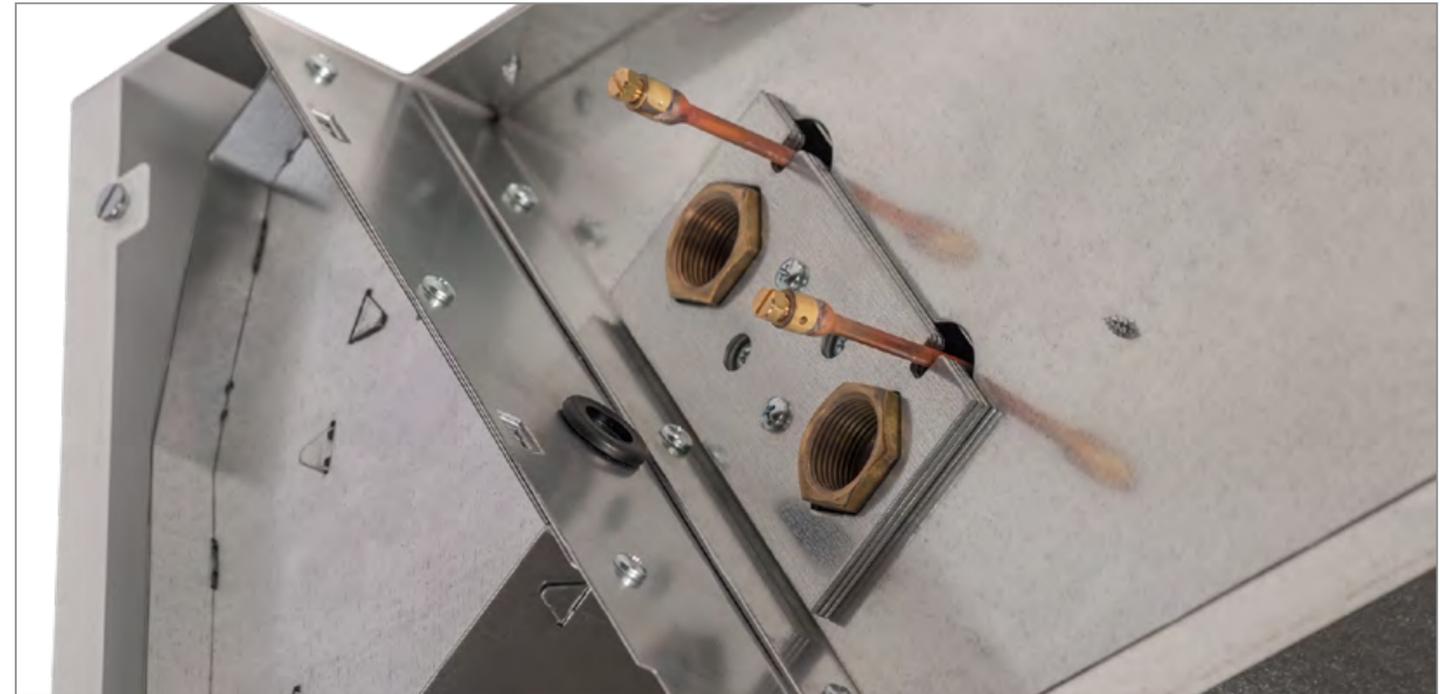
Radial fan

- ▶ patented, self-regulating generation of ambient air stream and warm air stream (Tandem technology)
- ▶ infinitely variable



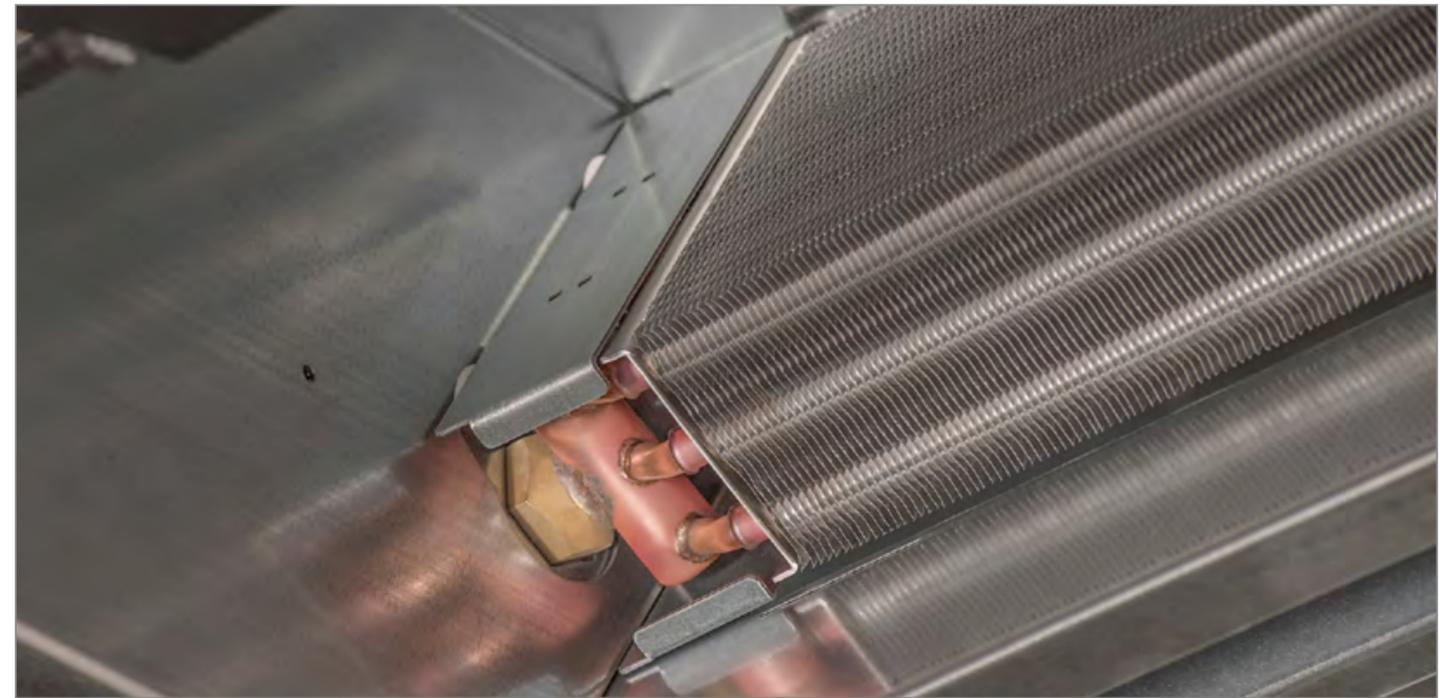
Anti-twist device for heating connection

- ▶ prevents damage to the heat exchanger when fitting the valves
- ▶ optional: Valves (accessories)



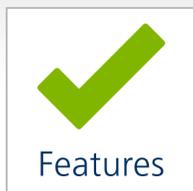
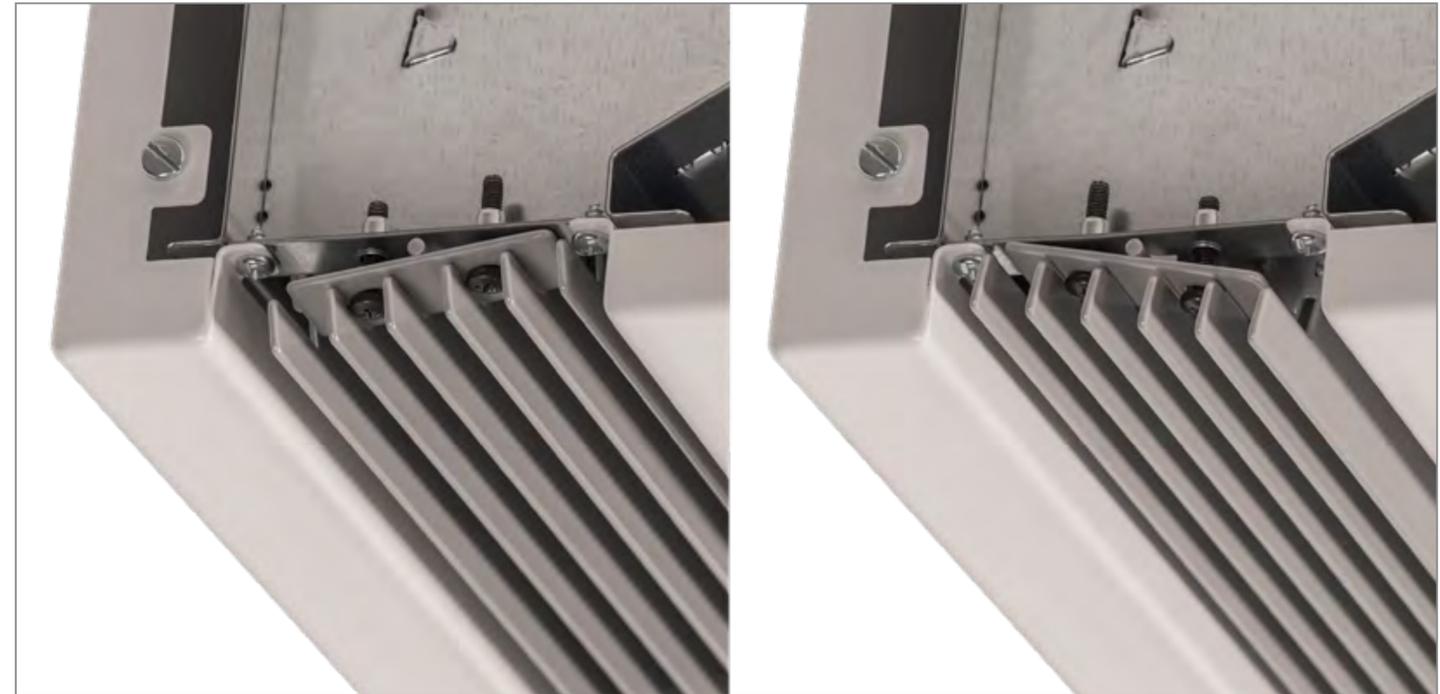
High-output heat exchanger

- ▶ proven combination of copper/aluminium



Outlet air rectifier

- ▶ for rectified, low-turbulence air discharge
- ▶ up to 20 ° rotatable



Features



Details



Control



Data

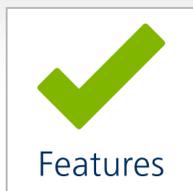
Casing

- ▶ powder-coated sheet steel construction, with an elegant design
- ▶ high-quality workmanship
- ▶ non-standard colours available



Side panel

- ▶ open without the need for tools for fast access to valves (accessories) and electrical connections



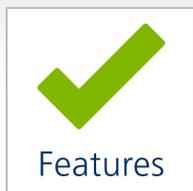
Air inlet filter

- ▶ open with minimal effort
- ▶ simple filter replacement without tools



Access panel

- ▶ simple and quick to open
- ▶ quick access for maintenance



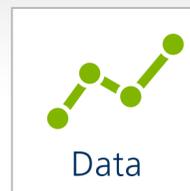
Features



Details

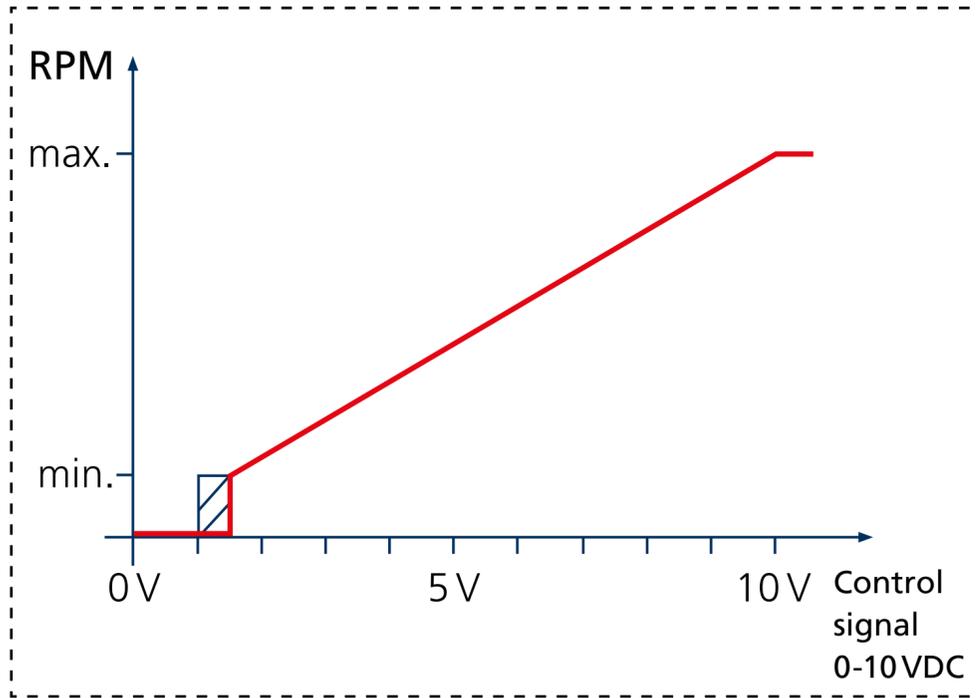


Control



Data

Control options



0 – 1.5 V = device OFF
1.5 – 10 V = fan speed min... 100 %

Control via BMS-system

Units available with BMS interface or local controller

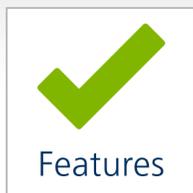
BMS-Interface/ electromechanical (-00)

- ▶ power supply: 230V/50 Hz via factory fitted transformer
- ▶ fan speed control 0–100 % via 0–10 VDC BMS contact valve control, direct by BMS

Combined controller



- ▶ fan speed control 0-100 %
- ▶ operation mode switch standby, winter and summer
- ▶ control input door contact for automatic speed-up and device release
- ▶ optional: room temperature mode (standby mode) in absence operation



Features



Details



Control



Data

Performance data

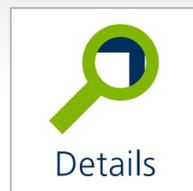
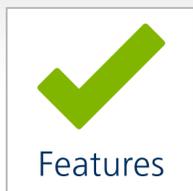
Model	Max. discharge height ¹⁾ [m]	Max. door width [m]	Air volume ²⁾ [m ³ /h]	Heat output ³⁾ [kW]	Sound pressure level ⁴⁾ [dB(A)]
12	2.7 - 3.2	1.25	700 - 2030	4.6 - 9.6	32 - 61
20	2.7 - 3.2	2.0	1200 - 3830	8.3 - 18.5	35 - 63
25	2.7 - 3.2	2.5	1480 - 5410	10.8 - 26.5	37 - 63
30	2.7 - 3.2	3.0	1850 - 5810	13.5 - 30.1	37 - 65

¹⁾ at good to average pressure ratios/requirements/conditions

²⁾ total, continuously variable

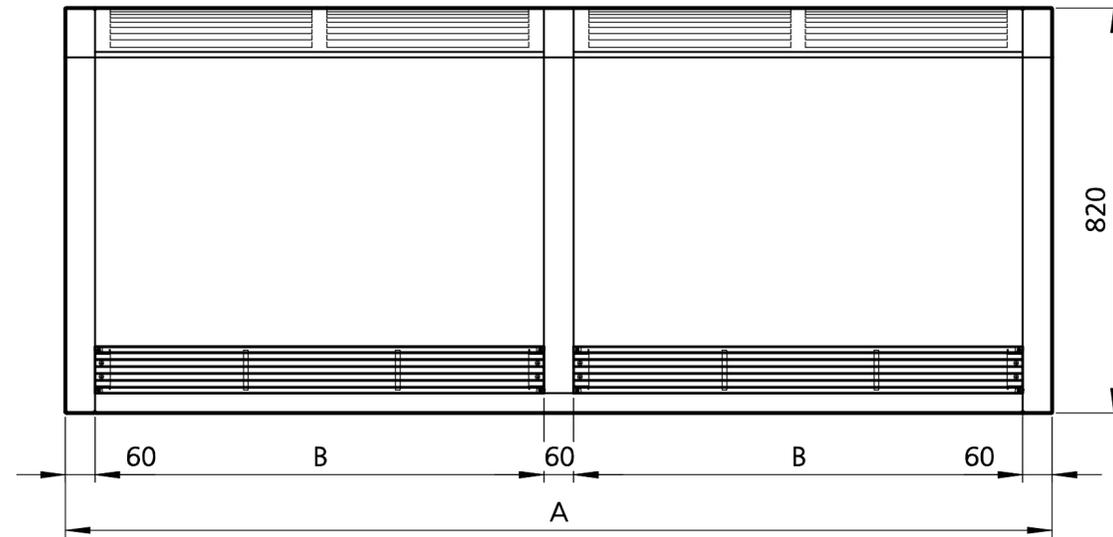
³⁾ at LPHW 75/65 °C, EAT = 20 °C

⁴⁾ The sound pressure levels were calculated based on an expected room insulation of 16 dB(A). This corresponds to a distance of 3 m, a room volume of 2000 m³ and a reverberation time of 1.0 s (in accordance with VDI 2081).

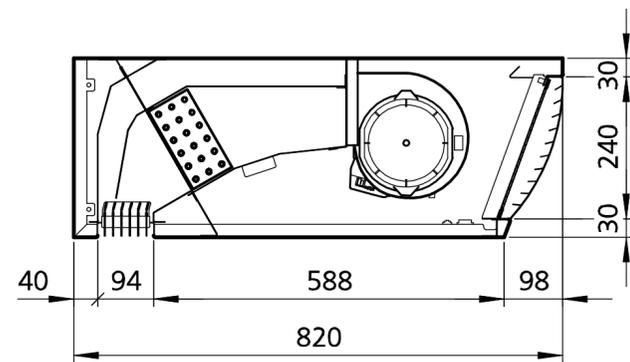


Dimensions

Cased unit



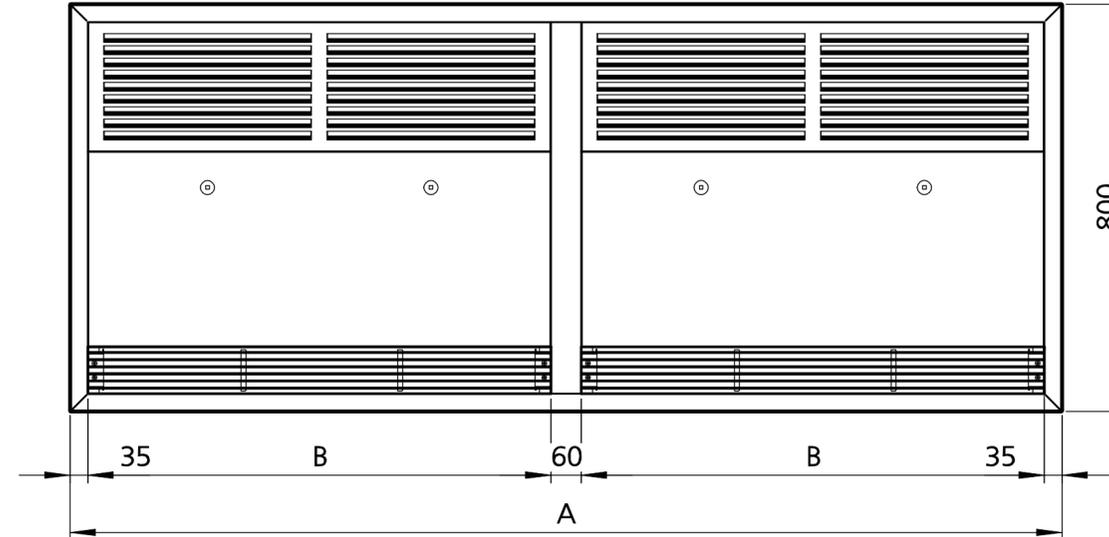
View from below (Ex. model 20)



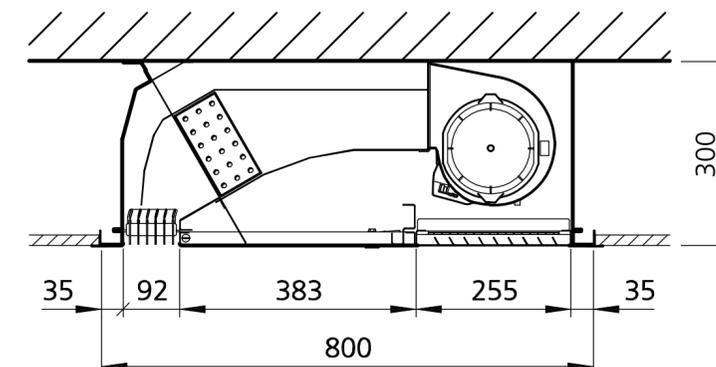
Cross section

Model	A [mm]	B [mm]
12	1250	1130
20	2000	910
25	2500	1160
30	3000	1410

Cassette unit

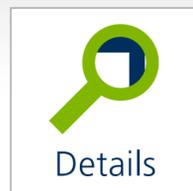
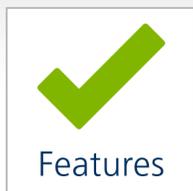


View from below (Ex. model 12)



Cross section

Model	A [mm]	B [mm]
12	1200	1130
20	1950	910
25	2450	1160
30	2950	1410



Benefits for you!

Kampmann offers you the following service benefits:

- ▶ on-site consultation
- ▶ design support
- ▶ site-surveys
- ▶ individual training
- ▶ After Sales Service

Find your contact person here:

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

