Tandem

Ambient and warm air stream for effective cold air screening.

1 EC radial fan

2 High-output heat exchanger

3 Casing

4 Access panel

5 Outlet air rectifier

6 Air inlet grille

7 Anti-twist device

PATENTED
EP 1462730

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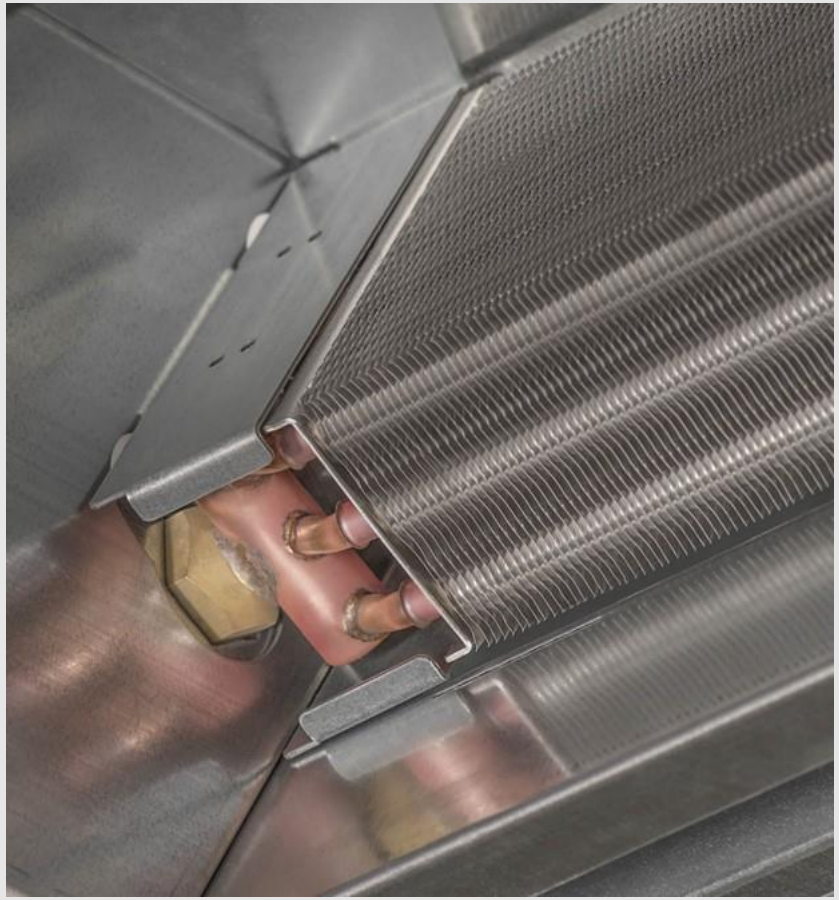

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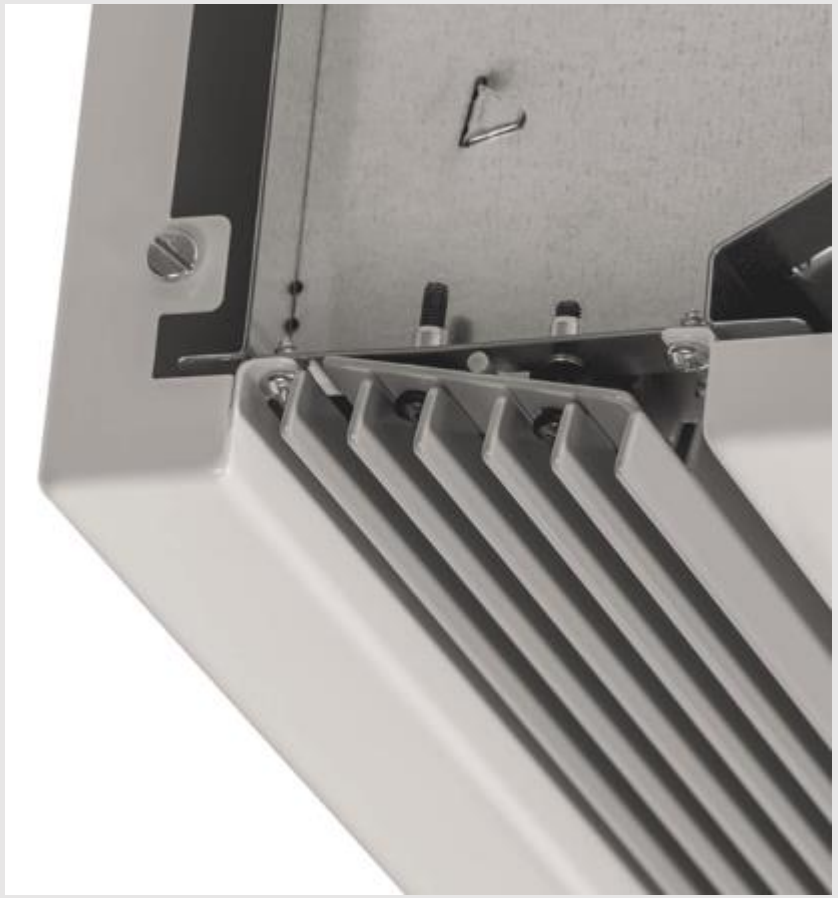

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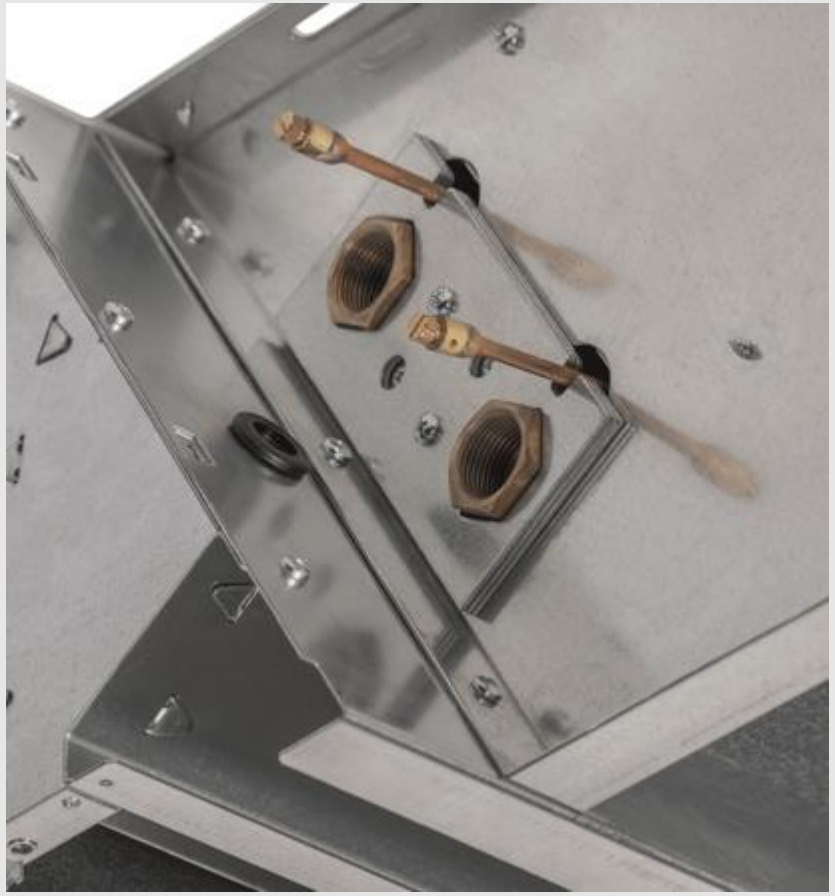
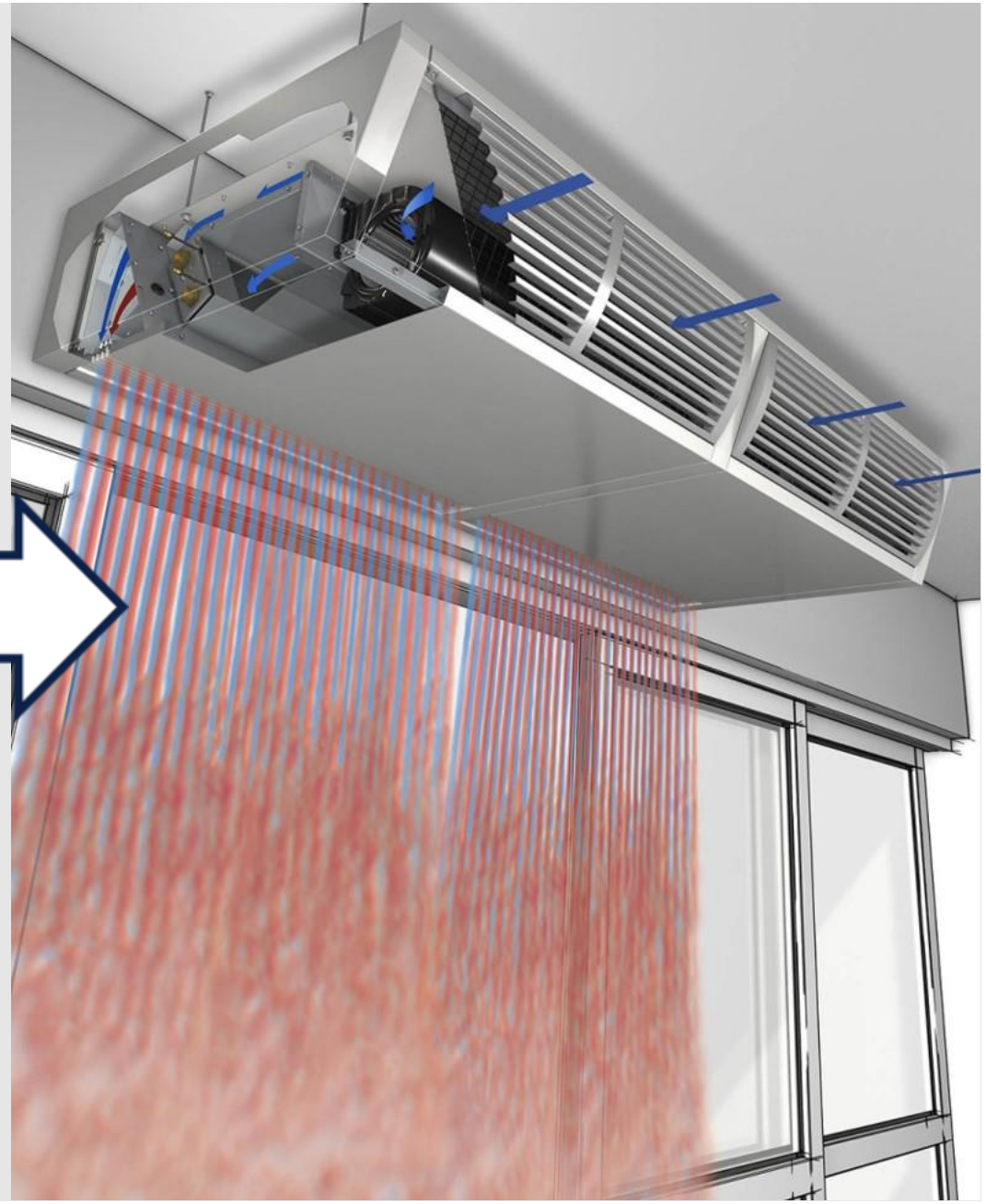


Step this way

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.



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

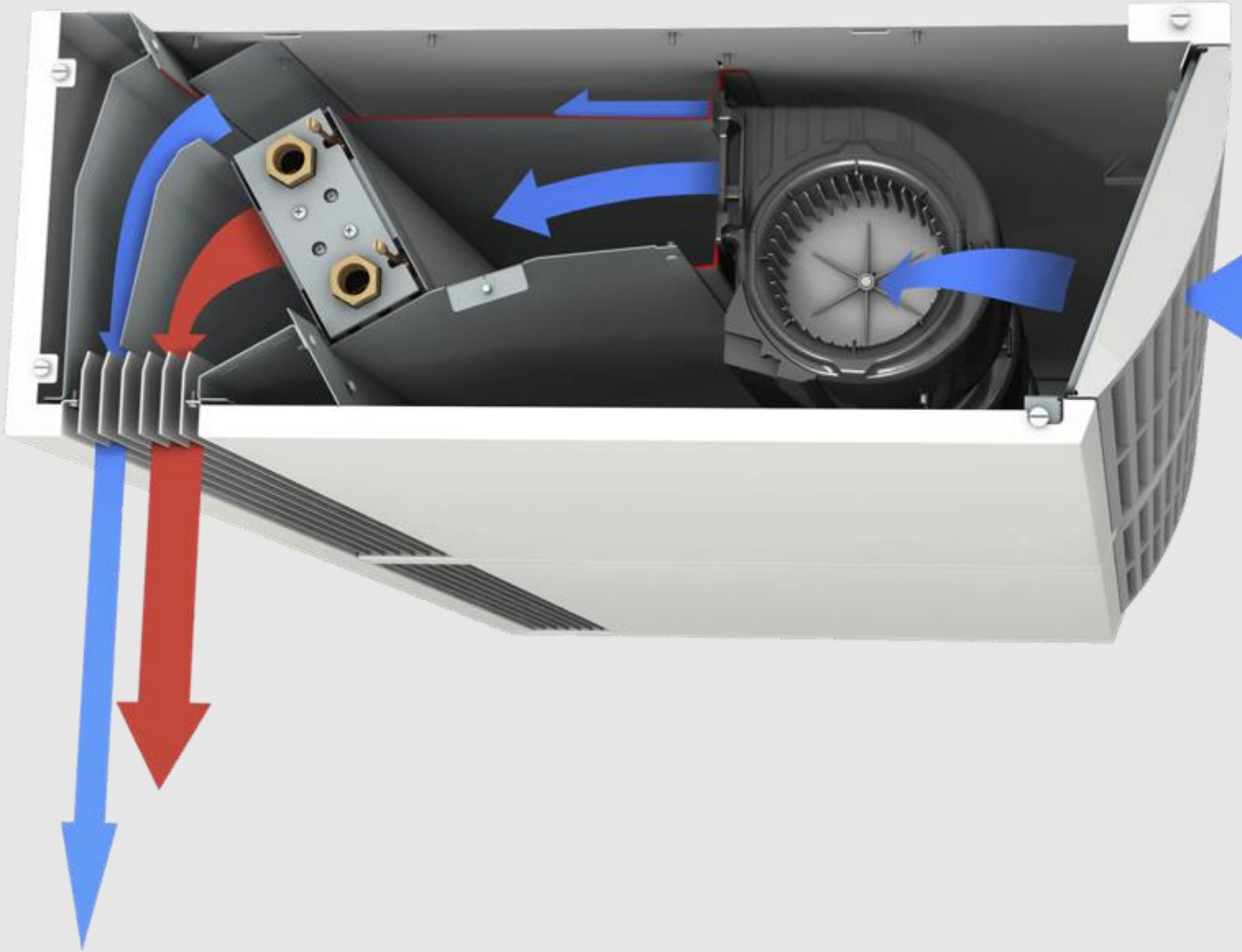
We can help you when it comes to deciding whether your unit should be horizontal, ceiling-mounted or with the appearance of a continuous unit with coupling set. That‘s what sets Kampmann service apart. All special requests are, of course, always considered.

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.




Heat exchanger

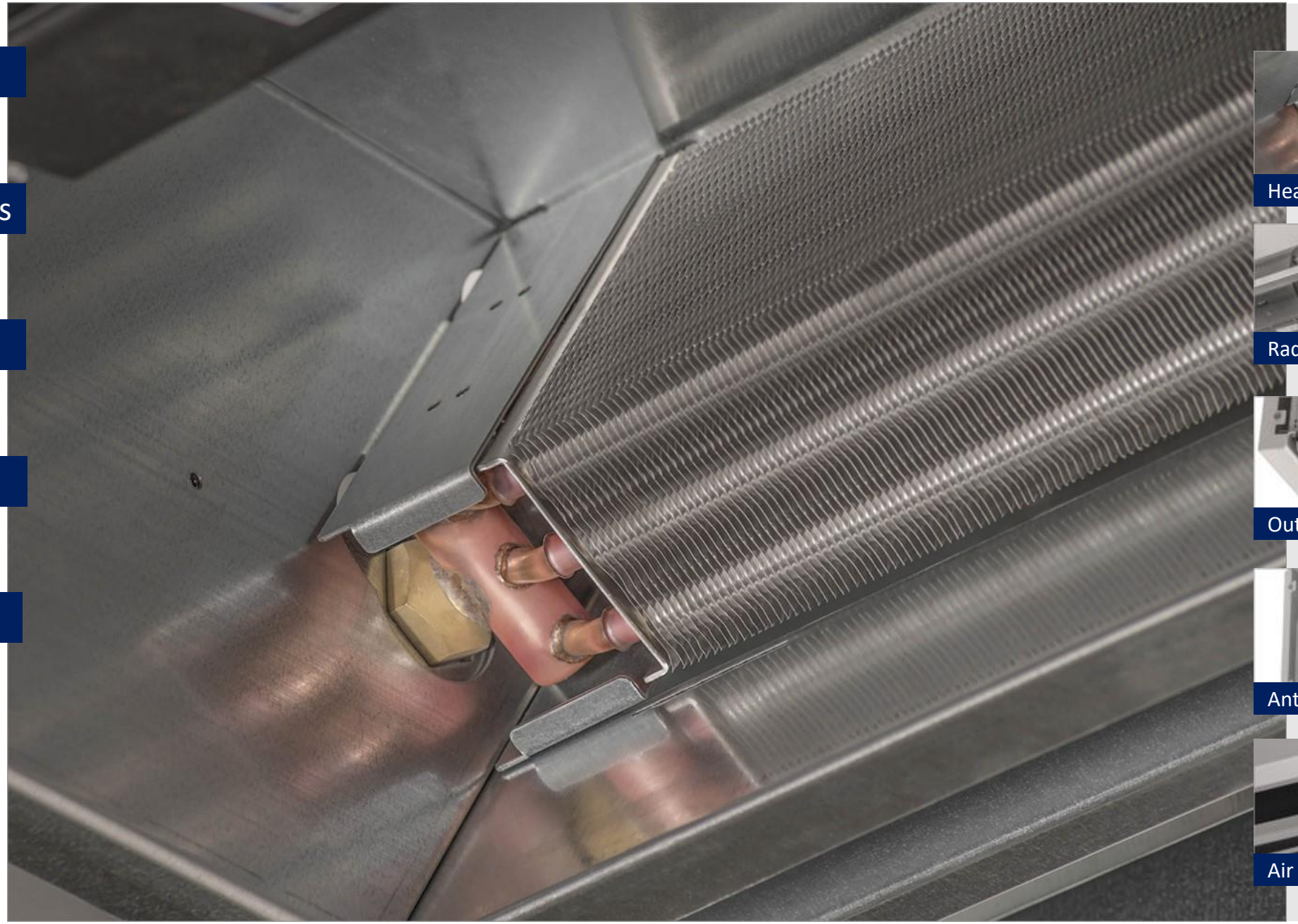

Radial fan


Outlet air rectifier


Anti-twist device


Air intake grille

Overview
Advantages
Details
Data
Video

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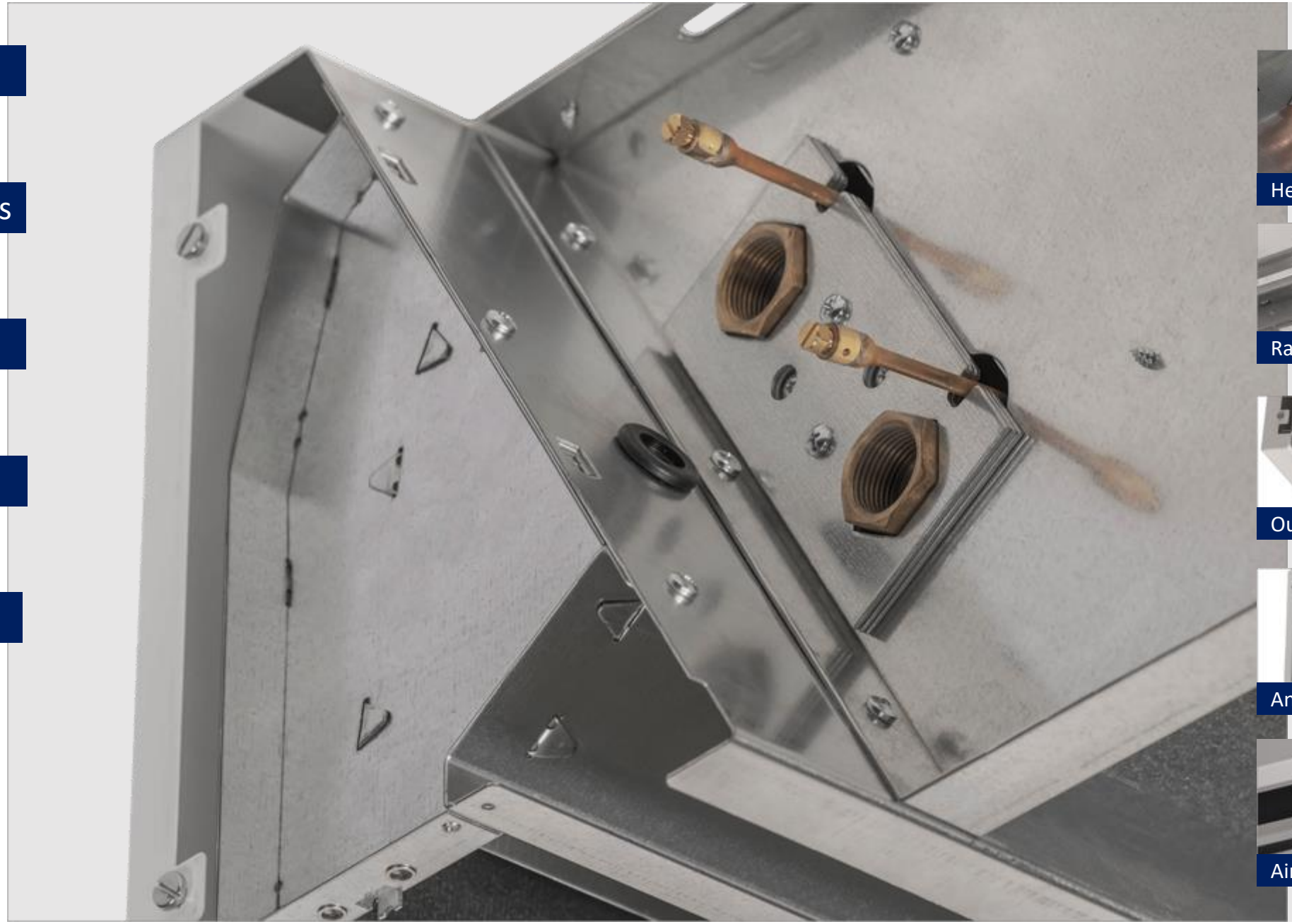


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Performance data Tandem 300

Size	max. discharge height [1]	max. door width	Air volume [2]	Heat output [3]	Sound pressure level [4]
	[m]	[m]	[m³/h]	[kW]	[dB(A)]
12	2,7 - 3,2	1,25	700 - 2030	4,6 - 9,6	32 - 61
20	2,7 - 3,2	2,00	1200 - 3830	8,3 - 18,5	35 - 63
25	2,7 - 3,2	2,50	1480 - 5410	10,8 - 26,5	37 - 63
30	2,7 - 3,2	3,00	1850 - 5810	13,5 - 30,1	37 - 65

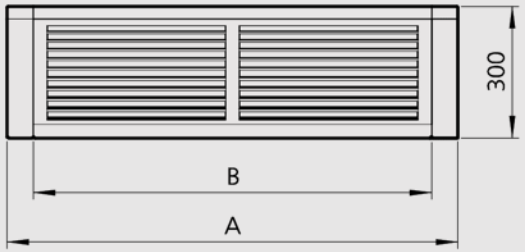
[1] at good to average pressure ratios/requirements/conditions
[2] total, continuously variable
[3] at LPHW 75/65 °C, EAT = 20 °C
[4] The sound pressure levels were calculated based on an expected room insulation of 16 dB(A). This corresponds to a distance of 3 m, a room volume of 2000 m³ and a reverberation time of 1.0 s (in accordance with VDI 2081).

Performance data Tandem 365

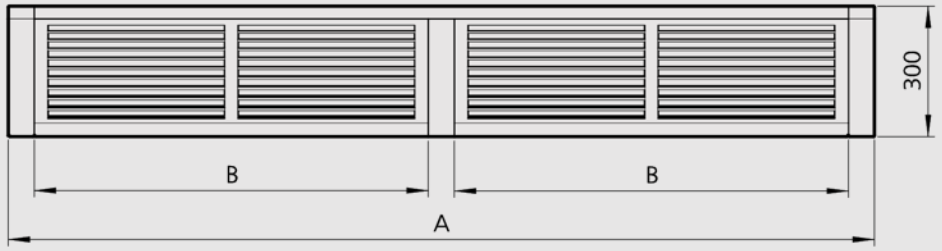
Size	max. discharge height [1]	max. door width	Air volume [2]	Heat output [3]	Sound pressure level [4]
	[m]	[m]	[m³/h]	[kW]	[dB(A)]
12	3,2 - 4,0	1,25	1090 - 3090	7,1 - 14,3	33 - 64
20	3,2 - 4,0	2,00	1860 - 5830	12,8 - 27,8	37 - 66
27	3,2 - 4,0	2,75	2550 - 8480	18,1 - 41,3	38 - 67

[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).

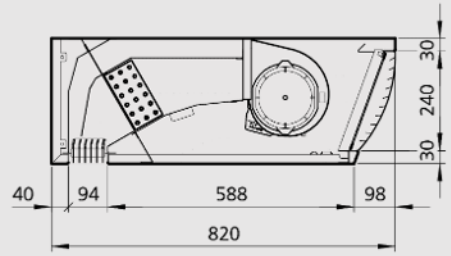
Dimensions Tandem 300



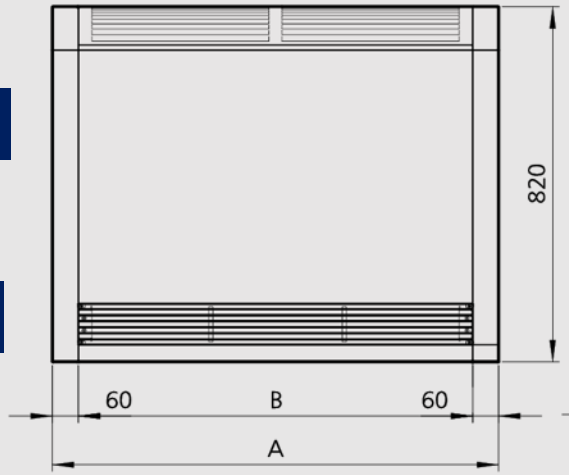
Front view (Ex. Size 12)



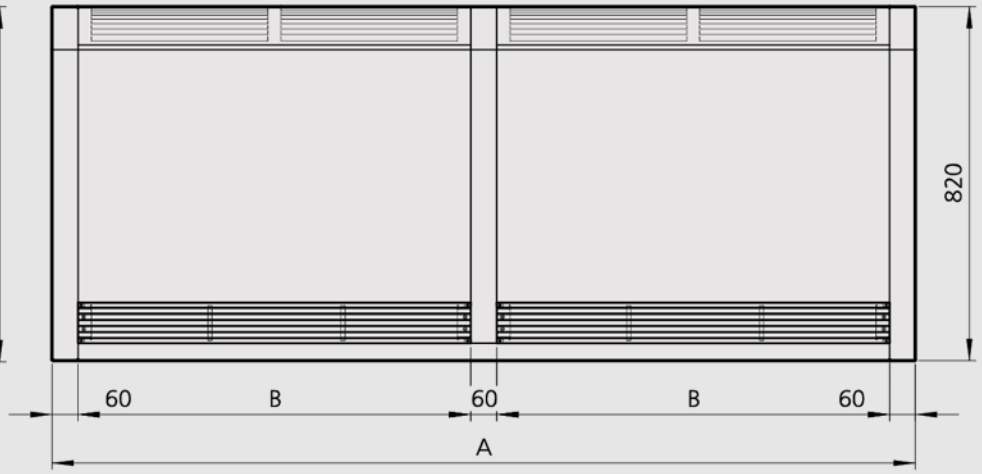
Front view (Ex. Size 20)



Cross section



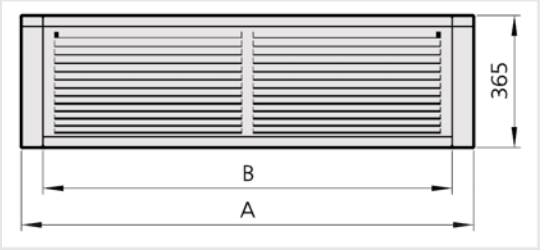
View from below (Ex. Size 12)



View from below (Ex. Size 20)

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

Dimensions Tandem 365



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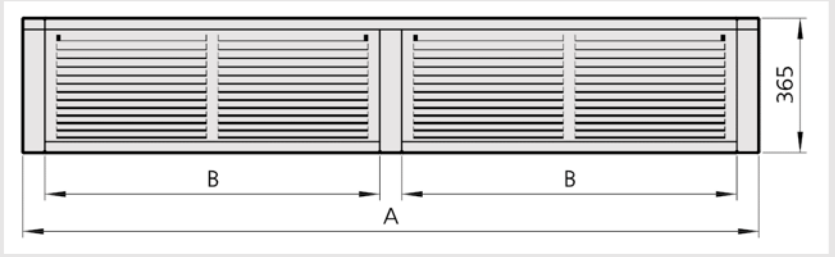

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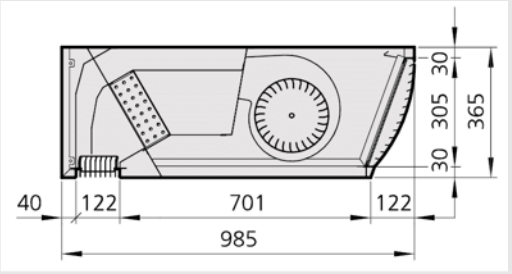

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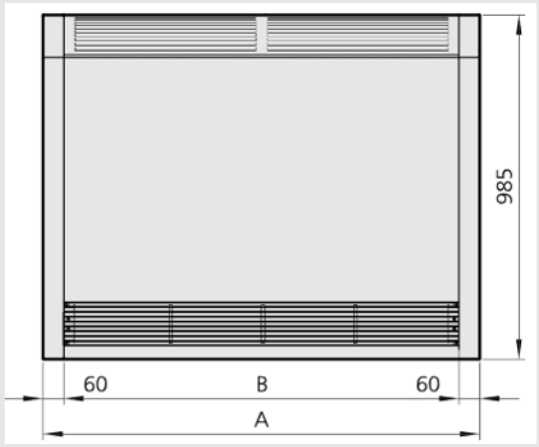
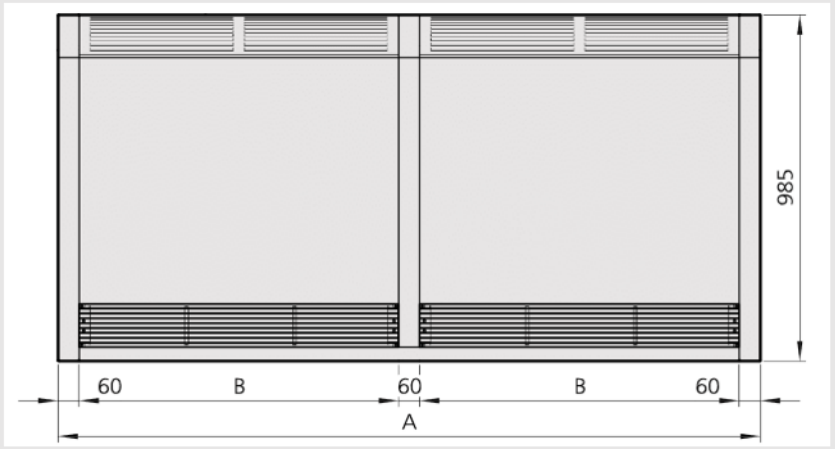
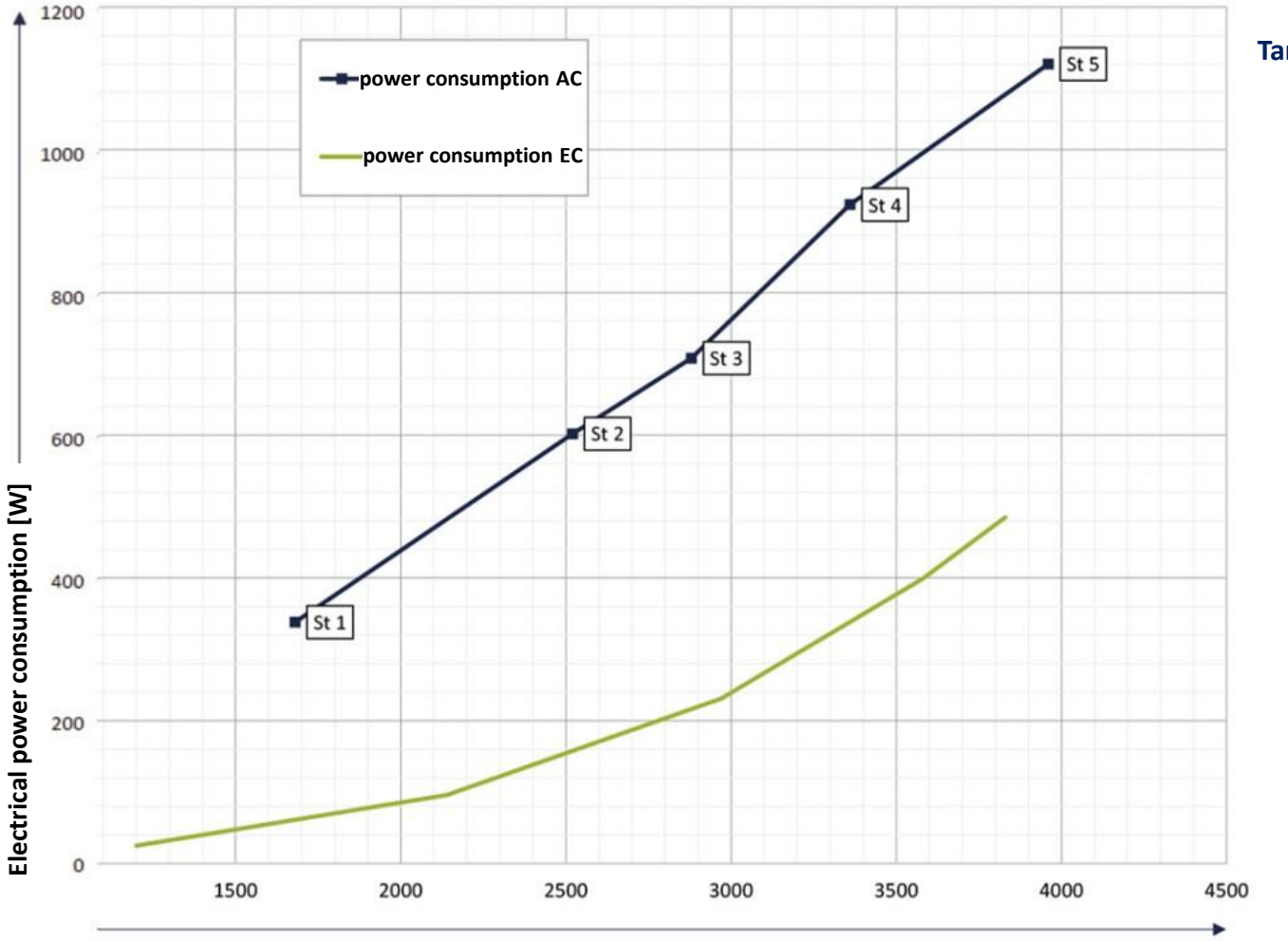


View from below (Ex. Size 12)



View from below (Ex. Size 20)

Size	A	B
	[mm]	[mm]
12	1250	1130
20	2000	910
27	2750	1285



Tandem size 20

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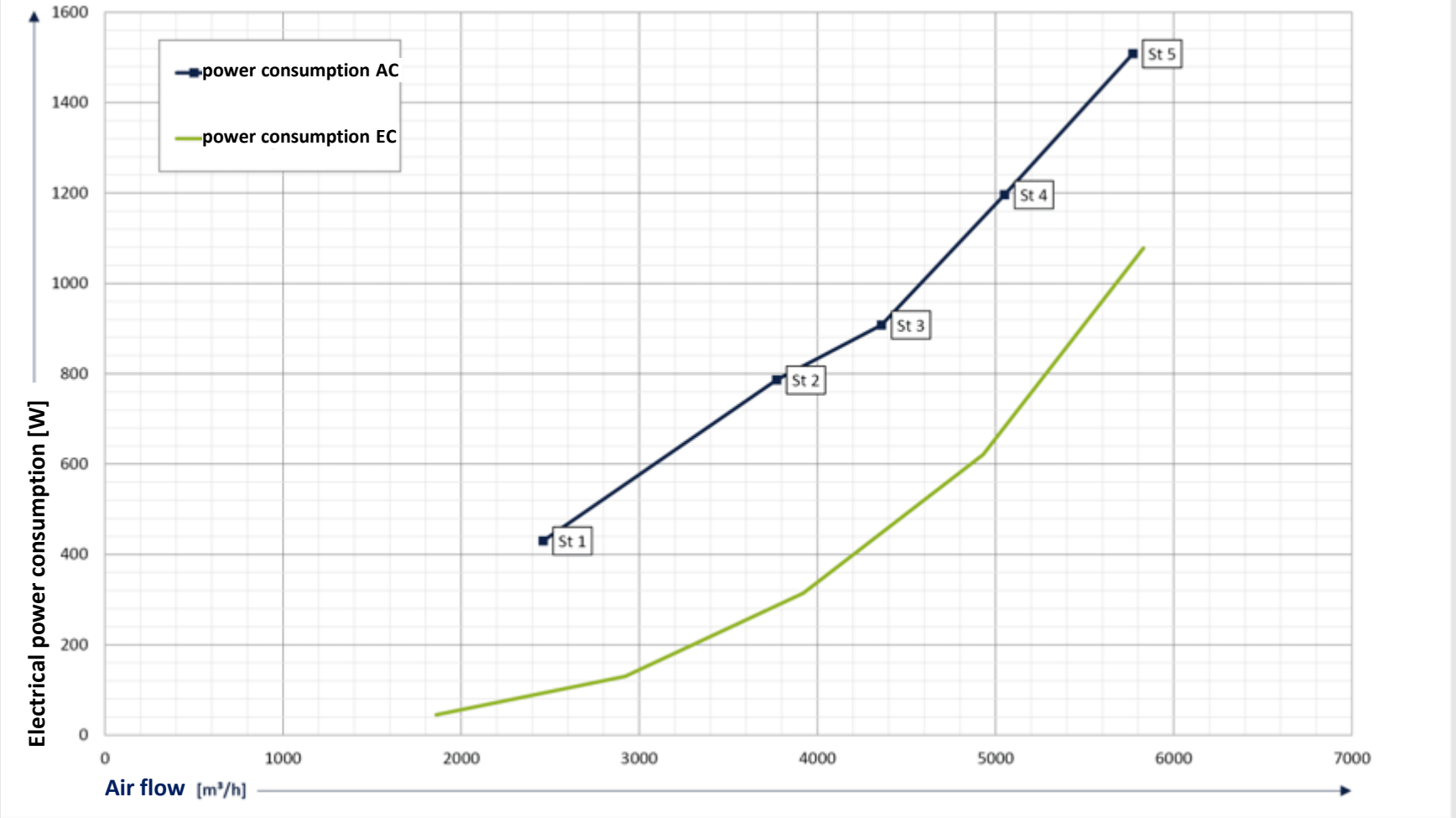

Performance data Tandem 300
Performance data Tandem 365
Dimensions Tandem 300
Dimensions Tandem 365
Comparison EC/EC Tandem 300
Comparison EC/EC Tandem 365