

Door Air Curtains

# Tandem 300/385



**KAMPMAN**  
Genau mein Klima.



Unbeatable advantages



Tandem at a glance



Details



Controller models



Performance data



Dimensions



Benefits for you!



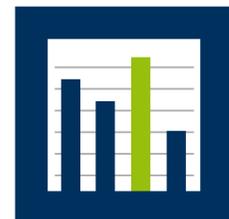
# Step this way

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 reduces energy losses.



# Save thermal energy

Tandem door in curtains work with an ambient air stream and a warm air stream, thereby achieving energy-saving of up to 38 %. The ambient air stream does not need to be heated, thereby eliminating adverse turbulence, in terms of energy, that primarily occurs between the ambient air stream and the outside air. Faster return on investment compared with conventional units.



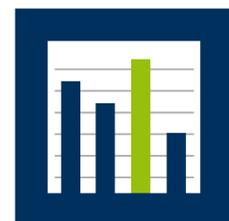
# Defying the weather

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, with a casing by others or with the appearance of a continuous unit with casing extensions. That's what sets Kampmann service apart. All special requests are, of course, always considered.



# Perfectly controlled

Simple control by stage switch or conveniently using the KaControl. Door air curtains can also be flexibly integrated in automation systems via the KaControl's 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.



- 5 Casing
- 6 Service hatch
- 7 Outlet air rectifier
- 8 Intake air grille



- 1 Side panel
- 2 Anti-twist device
- 3 Radial fan
- 4 High-output heat exchanger

Tandem at a glance

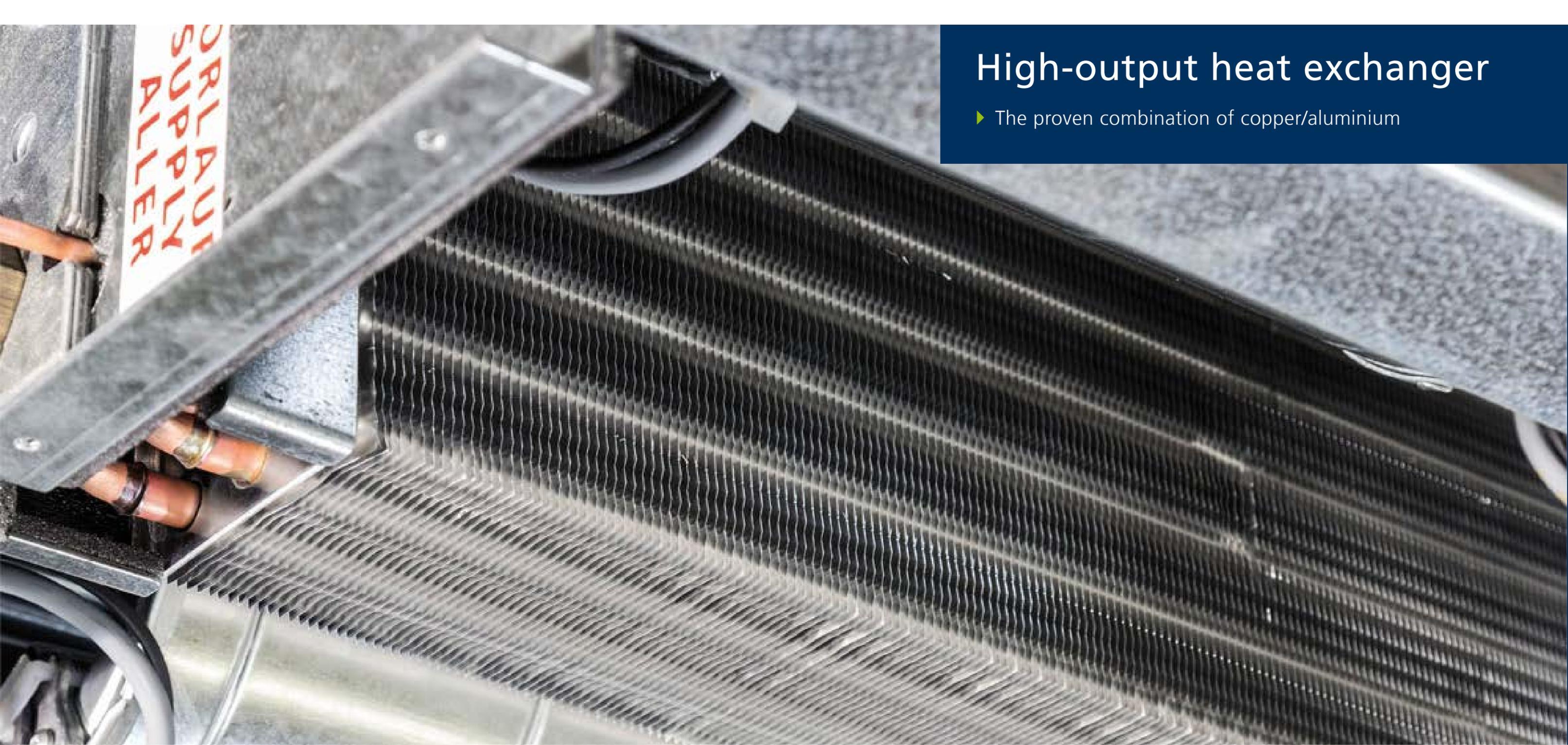




## Radial fan

- ▶ Two stacked fan groups for ambient air stream and warm air stream (Tandem technology)
- ▶ Switchable between 5 stages





# High-output heat exchanger

► The proven combination of copper/aluminium





## Anti-twist device for heating connection

- ▶ Prevents damage to the heat exchanger when fitting the valves
- ▶ Optional: Valves (accessories)



# Control options



## KaControl room automation

- ▶ KaControl technology factory-integrated for setting up entire networked systems based on the KaControl
- ▶ Interfaces for BACnet\* or as an optional plug-in assembly as Modbus building automation
- ▶ 0-10 V analog input for controlling the fan and valve via a single data point
- ▶ Design room control unit with intuitive user navigation
- ▶ Integrated timer program

\* *Integrated web server*



## 5-stage summer-winter switch\* Surface-mounted

- ▶ In conjunction with thermoelectric shut-off valve (accessory)
- ▶ Plastic housing
- ▶ Light-grey

\* *other stage switches are available*



# Performance data

## Tandem 300/385

Model Tandem 300	Max. discharge height <sup>1)</sup>	Max. door width	Air volume <sup>2)</sup>	Heat output <sup>3)</sup>	Sound pressure level <sup>4)</sup>
	[m]	[m]	[m <sup>3</sup> /h]	[kW]	[dB(A)]
10	2,7 - 3,4	1,0	840 - 1980	4,1 - 7,1	37 - 59
15	2,7 - 3,4	1,5	1260 - 2970	6,6 - 11,7	38 - 60
20	2,7 - 3,4	2,0	1680 - 3960	9,1 - 16,3	41 - 61
25	2,7 - 3,4	2,5	2520 - 5940	13,5 - 23,8	42 - 62
30	2,7 - 3,4	3,0	2590 - 6120	14,8 - 26,8	42 - 62
<b>Tandem 385</b>					
15	3,5 - 4,0	1,5	1890 - 4360	9,6 - 17,4	40 - 62
20	3,5 - 4,0	2,0	2460 - 5770	13,1 - 24,2	43 - 63
25	3,5 - 4,0	2,5	3370 - 8180	18,0 - 33,9	44 - 64

<sup>1)</sup> at low to medium pressure/requirements/conditions

<sup>2)</sup> Switchable through 5 stages

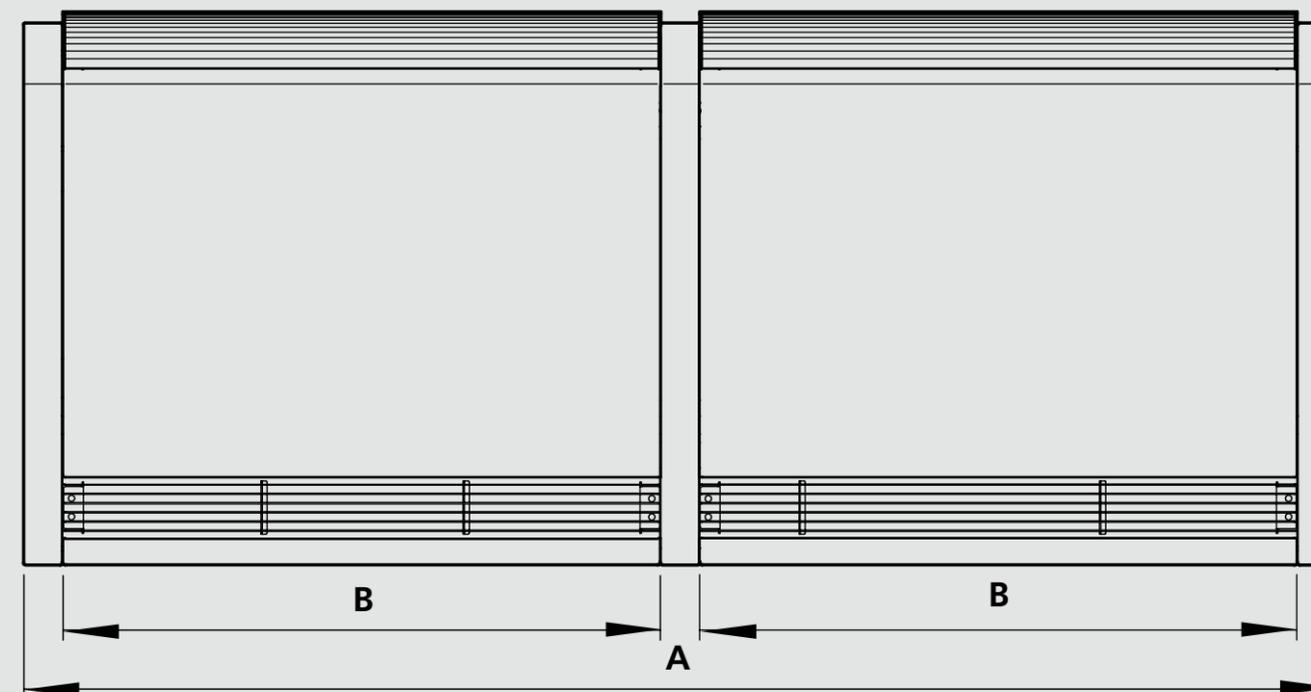
<sup>3)</sup> at LPHW 75/65 °C,  $t_{L1} = 20$  °C

<sup>4)</sup> at a distance of 3 m

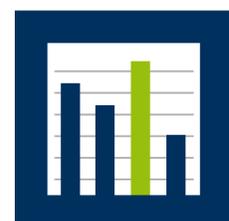
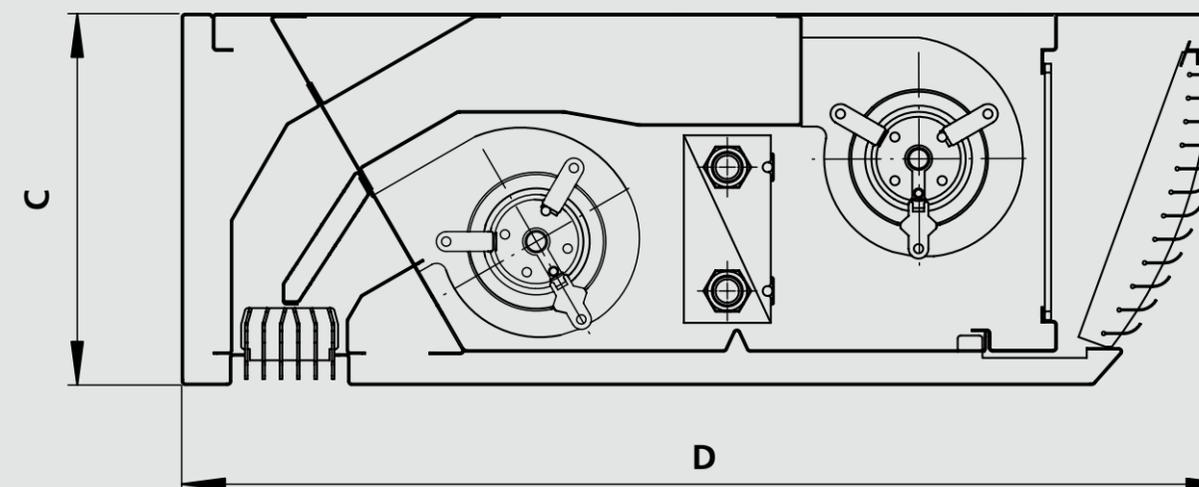


# Dimensions

Model	A	B	C	D
<b>Tandem 300</b>	[mm]	[mm]	[mm]	[mm]
10	1000	880	300	845
15	1500	1380	300	845
20	2000	910	300	845
25	2500	1160	300	845
30	3000	1410	300	845
<b>Tandem 385</b>				
15	1500	1380	385	985
20	2000	910	385	985
25	2500	1160	385	985



Tandem 300, size 20



# Benefits for you!

Kampmann offers you the following service benefits:

- ▶ On-site Consultation
- ▶ Planning Support
- ▶ System Solutions
- ▶ Detailed Discussions
- ▶ After Sales Service

Here we are at your service:  
[Kampmann.co.uk/contact](http://Kampmann.co.uk/contact)



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