



WING

AIR CURTAIN



www.wingbyvts.com



WING Air Curtains

WING **W**

WATER EXCHANGER

HEATING POWER RANGE:
4 - 47 kW

EXHAUST FLOW RATE:
1850-4400 m³/h

WING **E**

ELECTRIC HEATING COIL

HEATING POWER RANGE:
2 - 15 kW

EXHAUST FLOW RATE:
1850-4500 m³/h

WING **C**

NO EXCHANGER (COLD)

MAX. AIR RANGE:
4 m

EXHAUST FLOW RATE:
1950-4600 m³/h

DIMENSIONS

200 W/E/C



150 W/E/C



100 W/E/C



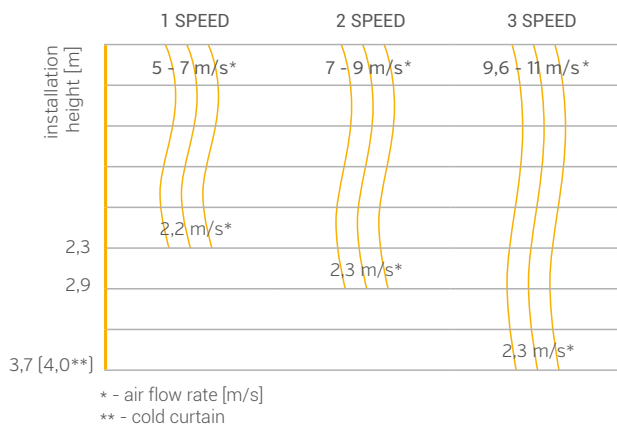
Dedicated brackets* and fixing points enable immediate installation of the curtain.

* in offer

STREAM RANGE

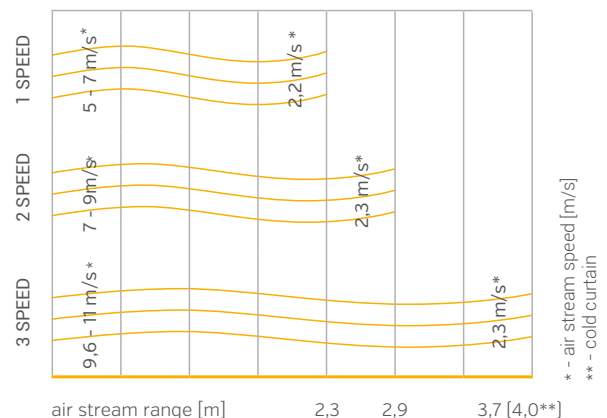
Vertical air stream range

(maximum installation height)



Horizontal air stream range

(for vertical installation)





INSTALLATION



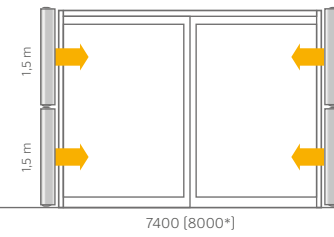
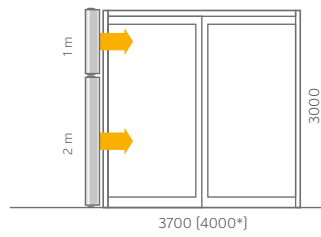
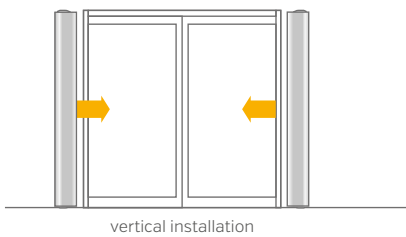
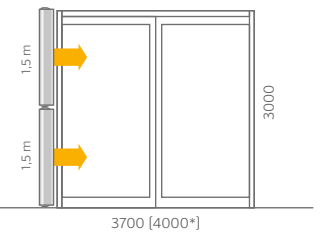
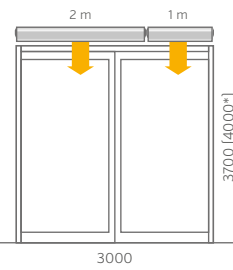
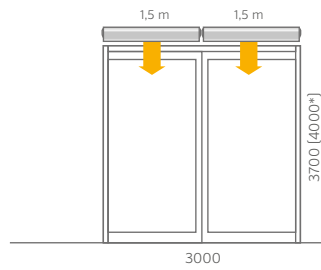
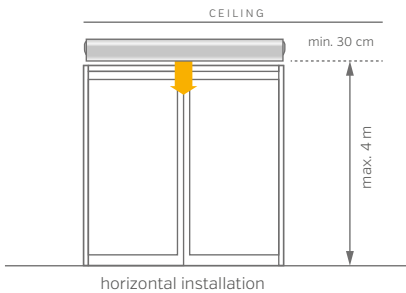
DEDICATED BRACKETS



FASTENING PINS

All WING curtain types are suitable for horizontal operation, vertical* operation and operation in a group configuration.

* WING W, WING C



* WING C

CONTROL

Electric curtain cannot be mounted vertically!



WING wall controller		AC MOTORS	
VTS item No.		1-4-0101-0438	
power supply	V/ph/Hz	~230/1/50	
acceptable load	A	6(3)	
set point range	°C	10...30	
protection rating	IP	30	



Wall controller		EC MOTORS	
VTS item No.		1-4-0101-0451	
power supply	V/ph/Hz	~230/1/50	
acceptable load	A	1A for 230VAC 0,02A for 0-10V	
set point range	°C	10...30	
protection rating	IP	30	



Actuated valve			
VTS item No.		1-2-1204-2019	
power supply	V/ph/Hz	~230/1/50	
opening / closing time	min	3/3	
kVs	-	4,5	
protection rating	IP	54	



Door sensor (reed switch)*			
VTS item No.		1-4-0101-0454	
surface-mounted reed switch, ALU housing			

* Works only with EC motor equipped curtains

PARAMETERS OF WING AIR CURTAINS

Parametry	Unit	WATER AIR CURTAIN						ELECTRIC AIR CURTAIN						COLD AIR CURTAIN					
		WING W100		WING W150		WING W200		WING E100		WING E150		WING E200		WING C100		WING C150		WING C200	
		AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC
VTS article No.		1-4-2801-0035	1-4-2801-0055	1-4-2801-0036	1-4-2801-0056	1-4-2801-0037	1-4-1-4-2801-0057	1-4-2801-0038	1-4-2801-0058	1-4-2801-0039	1-4-2801-0059	1-4-2801-0040	1-4-2801-0060	1-4-2801-0041	1-4-2801-0061	1-4-2801-0042	1-4-2801-0062	1-4-2801-0043	1-4-2801-0063
maximum door width (1 device)	m	1	1,5	2				1	1,5	2				1	1,5	2			
maximum door height (vertical stream range)**	m	3,7						3,7						4					
maximum exhaust flow rate***	m³/h	1850	3100	4400				1850	3150	4500				1950	3200	4600			
heating power range*	kW	4-17	10-32	17-47				2/6 or 4/6	4/12 or 8/12	6/15 or 9/15				-					
maximum temperature of heating agent	°C	95	95	95				-						-					
maximum operating pressure	MPa	1,6	1,6	1,6				-						-					
water volume	dm³	1,6	2,6	3,6				-						-					
number of heat exchanger rows	pcs	2	2	2				-						-					
supply voltage	V/ph/Hz	~ 230/1/50						~230/1/50 for 2kW ~400/3/50 for 2/4/6kW		~400/3/50				~230/1/50					
electric heating coil power	kW	-						2 i 4		4 i 8		6 i 9		-					
electric heating coil current draw	A	-						3/6/ max 9		6/11,3/ max 17,3		8,5/12,9/ max 21,4		-					
motor power (AC motor)	kW	0,18	0,22	0,32				0,18	0,22	0,32				0,18	0,22	0,32			
rated current (AC motor)	A	1,3	1,8	2,4				1,3	1,8	2,4				1,3	1,8	2,4			
motor power (EC motor)	kW	0,15	0,18	0,26				0,15	0,18	0,26				0,15	0,18	0,26			
rated current (EC motor)	A	1,1	1,3	1,9				1,1	1,3	1,9				1,1	1,3	1,9			
weight (without water) AC/EC	kg	23 / 21,5	32 / 29	39 / 37,5				23,5 / 22	32,5 / 30,5	41,5 / 39				20,5 / 19	27,5 / 25,5	34,5 / 32,5			
protection rating	IP	20																	

FAN SPEED	NOISE LEVEL	WING W100-200			WING E100-200			WING C100-200		
		1m	1,5m	2m	1m	1,5m	2m	1m	1,5m	2m
III	dB(A)***	62	63	63	62	63	63	65	66	66
II		54	52	53	54	52	53	53	53	55
I		49	45	46	49	45	46	47	46	47

* available heating power in the control option configuration: Wing E100 2/6 kW or 4/6 kW, for Wing E150 4/12kW or 8/12kW, for Wing E200 6/15 kW or 9/15 kW

** air stream range depends on curtain operation speed

*** measurement conditions: semi-open space, horizontal installation on the wall, measurement performed 3 m away from the device

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The features mentioned are subject to continuous upgrade and can change any time. VTS assuring continuous improvement for product and data and reserves the right to change design and specifications without notice.