

**VTS**

**WING**

Air curtain



# WING

## Air curtains



### WING W

#### WATER HEAT EXCHANGER

HEATING POWER RANGE:  
**4 - 47 kW**

EXHAUST FLOW RATE:  
**1850-4400 m<sup>3</sup>/h**

MAXIMUM AIR COVERAGE:  
**3,7 m**

### WING E

#### ELECTRIC HEATER

HEATING POWER RANGE:  
**2 - 15 kW**

EXHAUST FLOW RATE:  
**1850-4500 m<sup>3</sup>/h**

MAXIMUM AIR COVERAGE:  
**3,7 m**

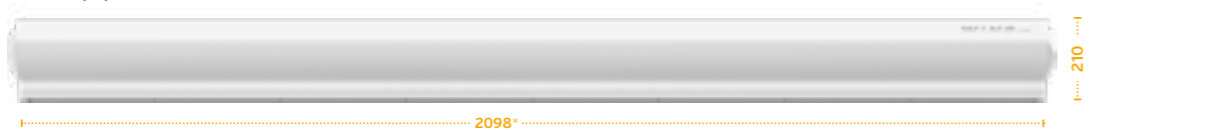
### WING C

#### WITHOUT HEAT EXCHANGER (AMBIENT)

EXHAUST FLOW RATE:  
**1950-4600 m<sup>3</sup>/h**

MAXIMUM AIR COVERAGE:  
**4 m**

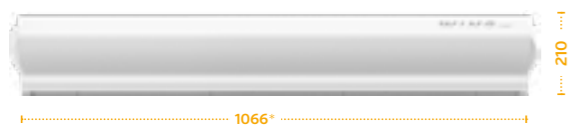
#### 200 W/E/C



#### 150 W/E/C



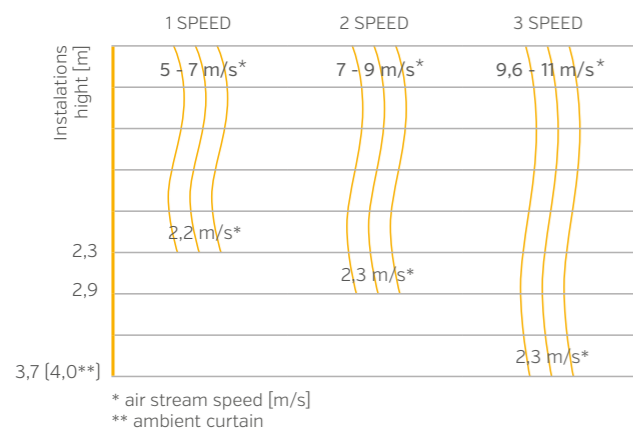
#### 100 W/E/C



\* - width does not include side covers

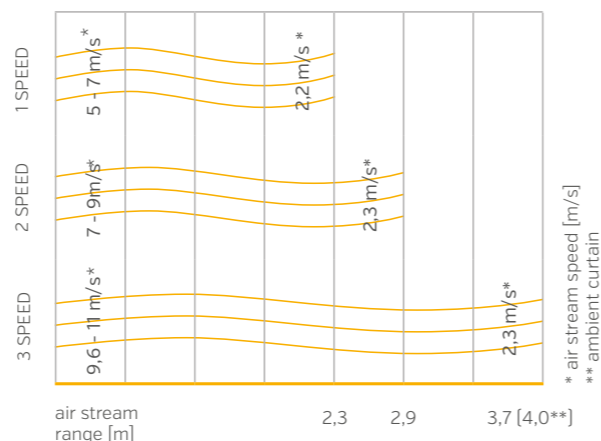
## STREAM RANGE

### Vertical air stream range (maximum installation height)



\* air stream speed [m/s]  
\*\* ambient curtain

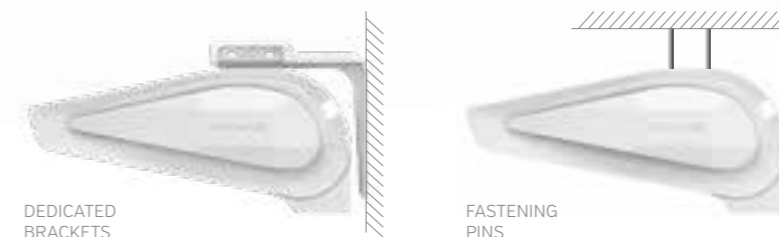
### Horizontal air stream range (for vertical installation)



\* air stream speed [m/s]  
\*\* ambient curtain



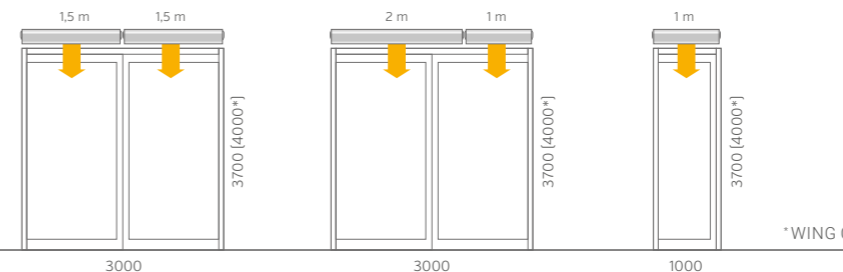
## INSTALLATION



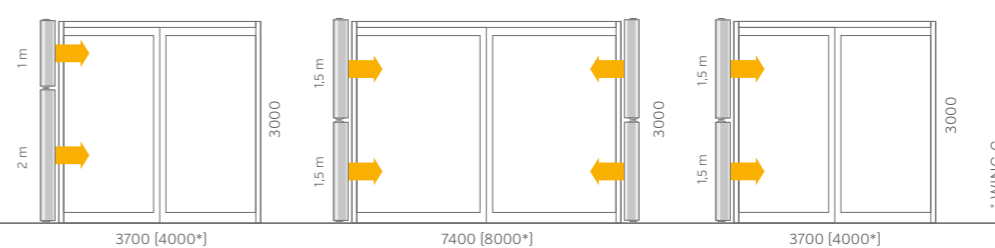
All WING curtain types are suitable for horizontal operation, vertical\* operation and operation in a group configuration.

\* WING W, WING C

### HORIZONTAL INSTALLATION



### VERTICAL INSTALLATION



## ACCESSORIES

Electric curtain **cannot** be mounted vertically!

Controller WING EC		Wall controller WING/VOLCANO		Door sensor (reed switch)*		Valve with actuator (VA-VEH202TA)	
VTS article No.	1-4-0101-0451	VTS article No.	1-4-0101-0438	VTS article No.	1-4-0101-0454	VTS article No.	1-2-1204-2019
Motor support	EC	Motor support	AC	Contact configuration	NO	Power supply voltage	V/ph/Hz ~230/1/50
Power supply voltage	V/ph/Hz ~230/1/50	Power supply voltage	V/ph/Hz ~230/1/50	Switching current	500 mA	Switching voltage	max 200 V
Permissible load	A 1A for 230VAC 0,02A for 0-10V	Permissible load	A 6(3)	Connection	screw	Opening/	min 3/3
Setting range	°C 5...40	Setting range	°C 10...30	Kvs	-	protection rating	IP 54
protection rating	IP 30	protection rating	IP 30				

\* cooperations with WING EC controller

# TECHNICAL PARAMETERS

Parameters	Unit	WATER AIR CURTAIN						ELECTRIC AIR CURTAIN						AMBIENT 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	1-4-2801-0057	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 exhaustflow 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						-						-					
maximum operating pressure	MPa	1,6						-						-					
water volume	dm³	1,6		2,6		3,6		-						-					
number of heat exchanger rows	pcs	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	-						max 9		6/11,3/max 17,3		8,5/12,9/max 21,4		-					
motor power	kW	0,235	0,2	0,375	0,3	0,58	0,45	0,235	0,2	0,375	0,3	0,58	0,45	0,235	0,2	0,375	0,3	0,58	0,45
rated current	A	1,2	1,1	1,7	1,3	2,6	1,9	1,2	1,1	1,7	1,3	2,6	1,9	1,2	1,1	1,7	1,3	2,6	1,9
weight (without water)	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																	
casing colour		RAL 9016, outlet grid: RAL 9022																	

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
I	dB(A)***	52	53	56	49	51	55	53	54	57
II		55	58	61	51	56	59	59	62	61
III		57	59	62	58	58	60	62	63	63

\* 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 5 m away from the device