VTS

WING

Air curtain

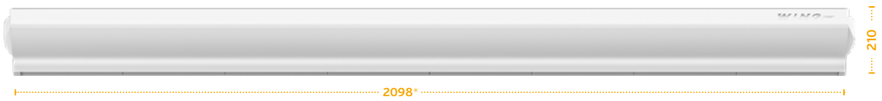
ECO
EC Motor
Inside

WING
Air curtains

ECO EC Motor Inside

WING W	WING E	WING C
WATER HEAT EXCHANGER	**ELECTRIC HEATER**	**WITHOUT HEAT EXCHANGER (AMBIENT)**
HEATING POWER RANGE: **4 – 47 kW**	HEATING POWER RANGE: **2 – 15 kW**	
EXHAUST FLOW RATE: **1850-4400 m³/h**	EXHAUST FLOW RATE: **1850-4500 m³/h**	EXHAUST FLOW RATE: **1950-4600 m³/h**
MAXIMUM AIR COVERAGE: **3,7 m**	MAXIMUM AIR COVERAGE: **3,7 m**	MAXIMUM AIR COVERAGE: **4 m**

200 W/E/C



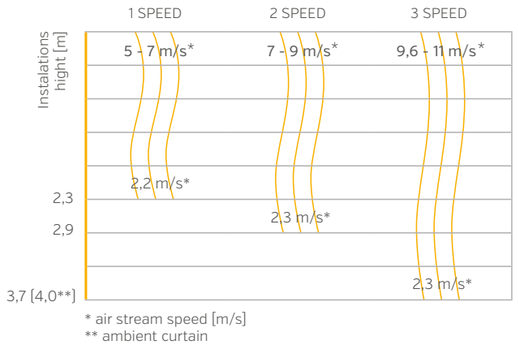
150 W/E/C

100 W/E/C

* - width does not include side covers

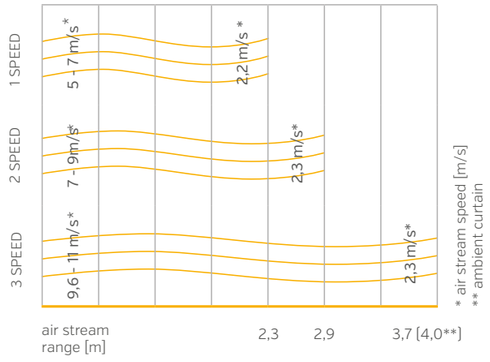
STREAM RANGE

Vertical air stream range
(maximum installation height)

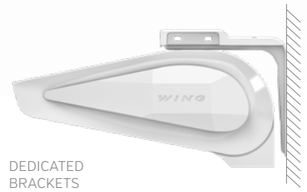


* air stream speed [m/s]
** ambient curtain

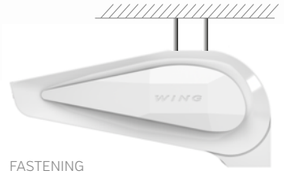
Horizontal air stream range
(for vertical installation)



INSTALLATION



DEDICATED BRACKETS

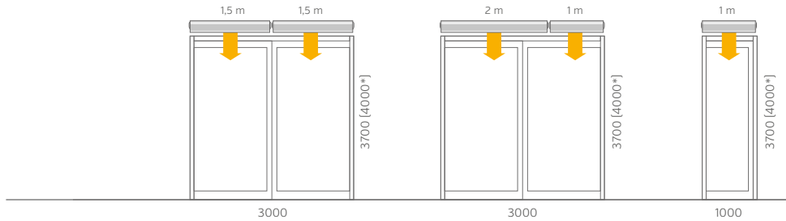


FASTENING PINS

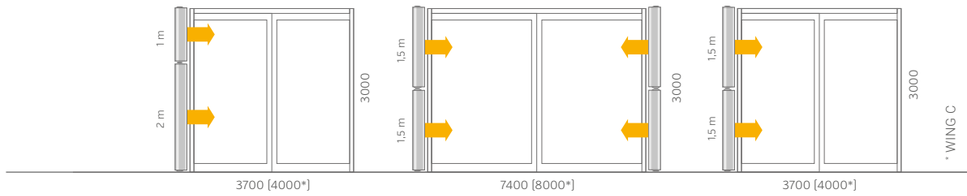
All WING curtain types are suitable for horizontal operation, vertical* operation and operation in a group configuration.

* WING W, WING C

HORIZONTAL INSTALLATION



VERTICAL INSTALLATION



Electric curtain **cannot** be mounted vertically!

ACCESSORIES

HMI WING EC controller		
VTS article No.	1-4-2801-0155	
Motor support	EC	
Power supply voltage	V/ph/Hz	~230/1/50
Permissible load	A	1A for 230VAC 0,02A for 0-10V
Setting range	°C	5...40
protection rating	IP	20

Wall controller WING/VOLCANO		
VTS article No.	1-4-0101-0438	
Motor support	AC	
Power supply voltage	V/ph/Hz	~230/1/50
Permissible load	A	6(3)
Setting range	°C	10...30
protection rating	IP	30

Door sensor (reed switch)*	
VTS article No.	1-4-0101-0454
Contact configuration	NO
Switching current	500 mA
Switching voltage	max 200 V
Connection	screw

Valve with actuator (VA-VEH202TA)		
VTS article No.	1-2-1204-2019	
Power supply voltage	V/ph/Hz	~230/1/50
Opening/	min	3/3
Kvs	-	4,5
protection rating	IP	54

* 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

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.