

WING

AIR CURTAIN



WING

YOUR INVISIBLE BARRIER

WING is the next generation air curtain created from a passion for a light and modern design representing characteristics of gliders.



Unique shape

A minimal casing with a streamlined form of a wing that seems to float in the air. The diamond style side panels hide the excellent components in an innovative curtain body to set new standards for air curtains. WING combines the unique design and excellent efficiency to redefine the air curtain image.

Quality and design

High quality materials, unique shape and rigid construction are the basic assumptions of the designers of the curtain. Simple cleaning of the curtain, double protective coating and efficient and durable EC motor ensure trouble-free operation of the device.

Energy efficiency

- » highly efficient EC motor
- » maximum unit efficiency even at reduced speed
- » smooth speed regulation
- » optimal fan shape and EC motor let save up to 40% of energy





HMI WiFi Wing controller

- » modern and compact design
- » high contrast and clear screen
- » advanced calendar for each day of the week
- » door sensor cooperation
- » wireless communication with a smartphone
- » preset 3-levels speed control
- » build-in thermostat
- » 3-levels of heating power
- » up to 8 air curtains connected with the one controller



DOOR OPTIMUM function

Door Optimum function allows the WING to maintain full protection of the door opening and at the same time optimize costs associated with its operation. It keeps the air curtain operating at minimum speed and continues to protect the door, from the outside air, once the door begins opening it also increases the speed of air by +1 or +2 levels, depending on user's preferences.

Product range

WING W

WATER HEAT EXCHANGER

HEATING POWER RANGE:
4 - 47 kW

EXHAUST FLOW RATE:
1850-4400 m³/h

MAXIMUM AIR COVERAGE:
3,7 m

WING 100/150/200



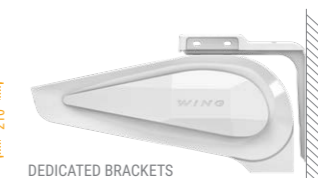
WING E

ELECTRIC HEATER

HEATING POWER RANGE:
2 - 15 kW

EXHAUST FLOW RATE:
1850-4500 m³/h

MAXIMUM AIR COVERAGE:
3,7 m

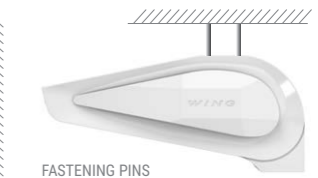


WING C

WITHOUT HEAT EXCHANGER [AMBIENT]

EXHAUST FLOW RATE:
4 m

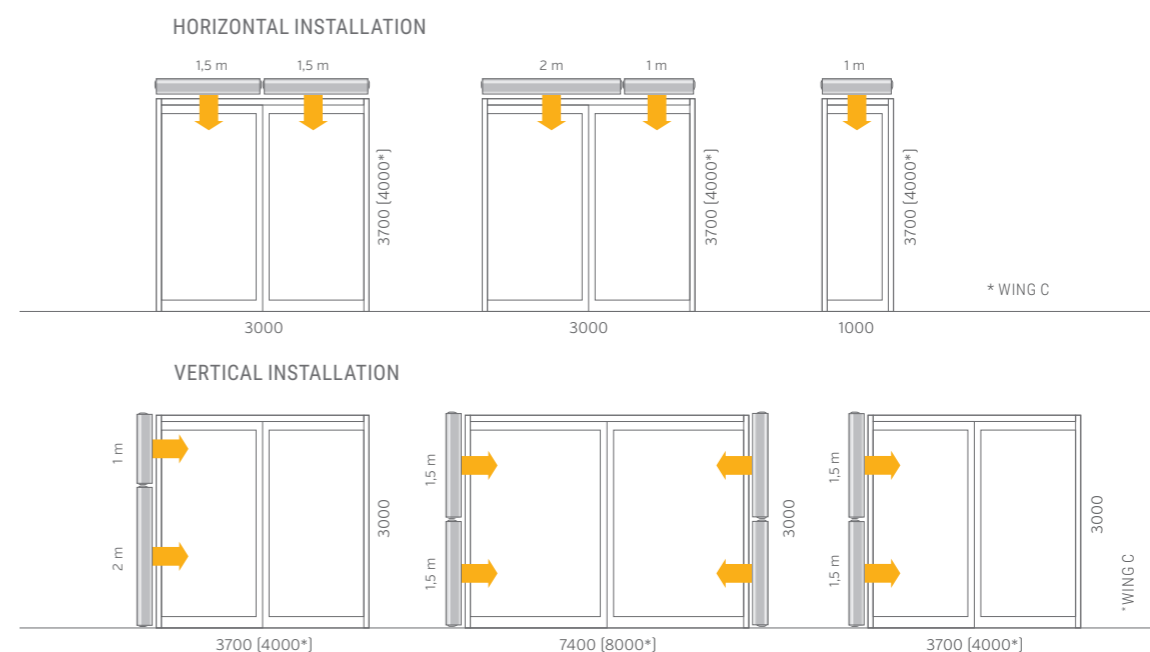
EXHAUST FLOW RATE:
1950-4600 m³/h



DEDICATED BRACKETS

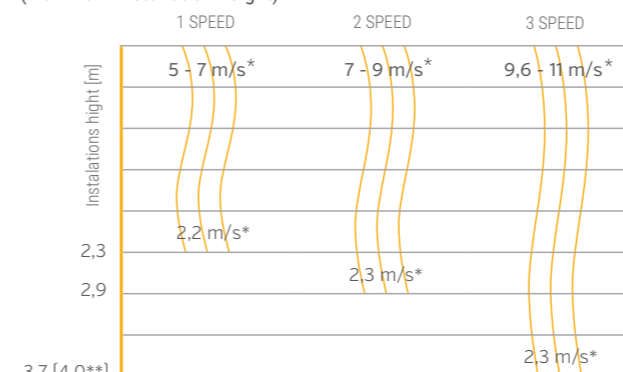
FASTENING PINS

* width does not include side covers



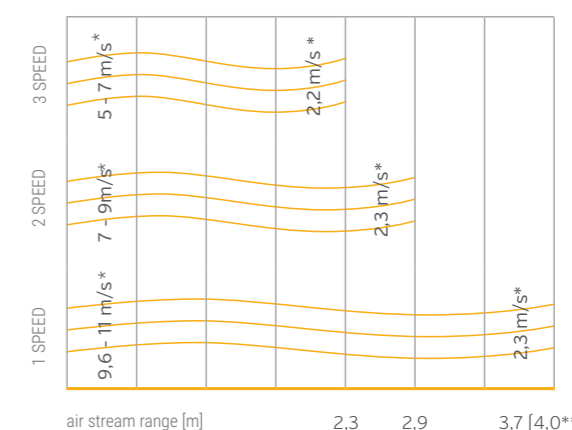
Stream range

Vertical air stream range
(maximum installation height)



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

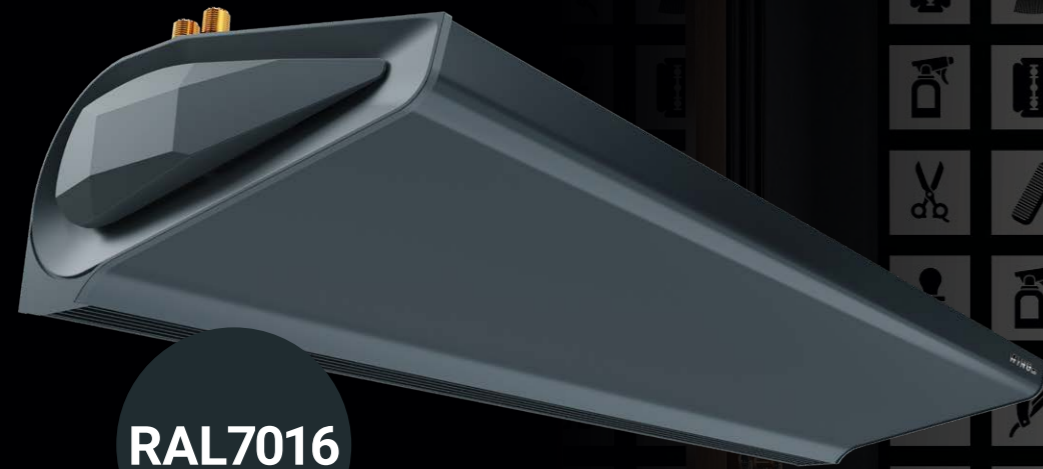
Horizontal air stream range
(for vertical installation)



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

WING

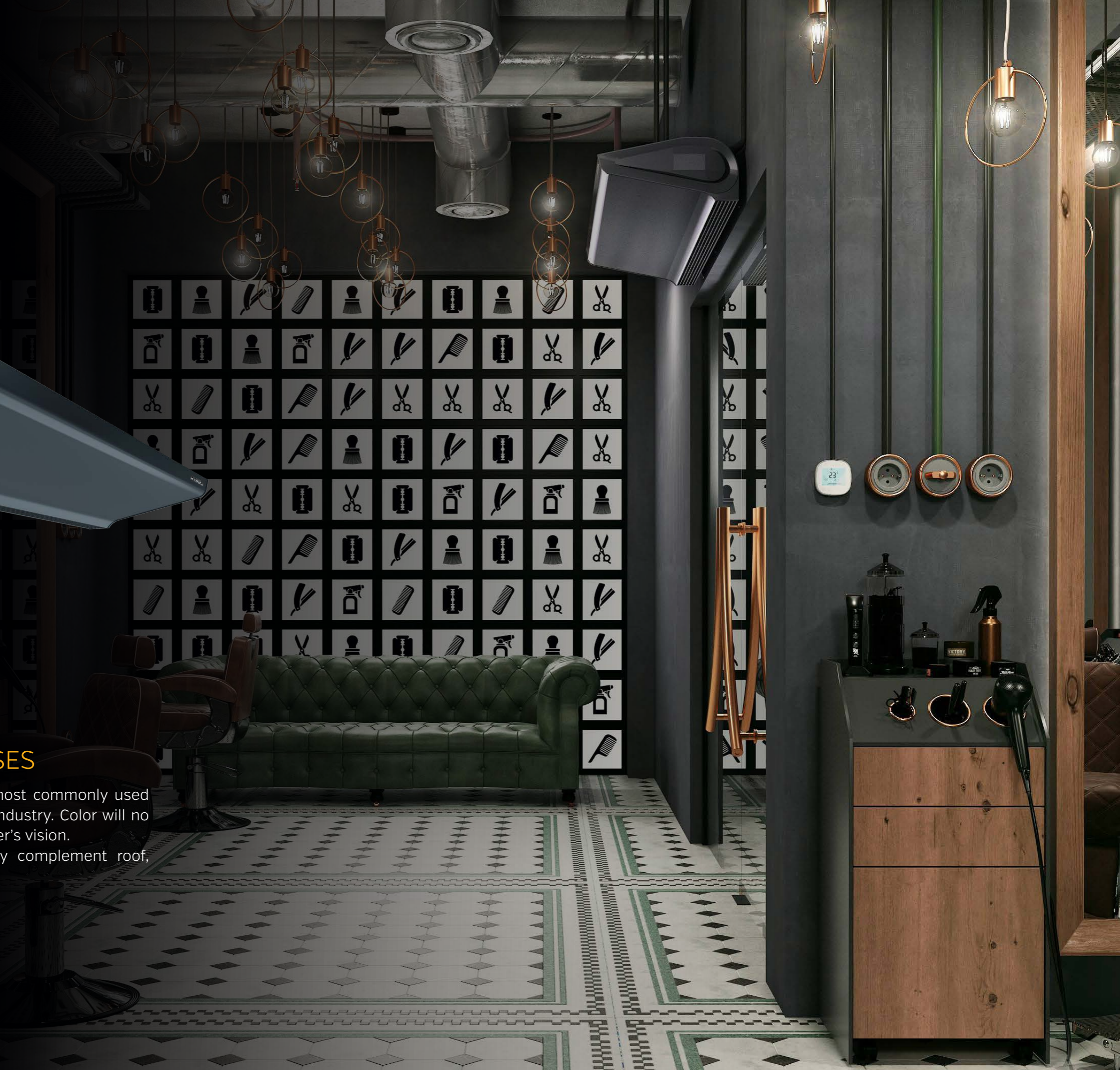
YOUR INVISIBLE BARRIER



RAL7016

NO MORE COMPROMISES

The color RAL7016 is currently the most commonly used color in the residential construction industry. Color will no longer stand in the way of the designer's vision. WING DARK RAL7016 will effectively complement roof, doors, windows and gates.



Technical parameters

PARAMETERS	WATER AIR CURTAIN						ELECTRIC AIR CURTAIN						AMBIENT AIR CURTAIN																									
	W100		W150		W200		E100		E150		E200		C100		C150		C200																					
	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC																				
Colour ○ WHITE (RAL 9016) ● DARK (RAL 7016)	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●																		
VTS article No.	1-4-2801-0250	1-4-2801-0299	1-4-2801-0259	1-4-2801-0308	1-4-2801-0251	1-4-2801-0300	1-4-2801-0260	1-4-2801-0309	1-4-2801-0252	1-4-2801-0301	1-4-2801-0261	1-4-2801-0310	1-4-2801-0253	1-4-2801-0302	1-4-2801-0262	1-4-2801-0311	1-4-2801-0254	1-4-2801-0303	1-4-2801-0263	1-4-2801-0312	1-4-2801-0255	1-4-2801-0304	1-4-2801-0264	1-4-2801-0313	1-4-2801-0256	1-4-2801-0305	1-4-2801-0265	1-4-2801-0314	1-4-2801-0257	1-4-2801-0306	1-4-2801-0266	1-4-2801-0315	1-4-2801-0258	1-4-2801-0307	1-4-2801-0267	1-4-2801-0316		
maximum door width (1 device)	1		1,5		2		1		1,5		2		1		1,5		2																					
maximum door height (vertical stream range)*			3,7						3,7						4																							
maximum exhaustflow rate	1850		3100		4400		1850		3150		4500		1950		3200		4600																					
heating power range**	4-17		10-32		17-47		2 lub 4/6		8/12		10/15																											
maximum temperature of heating agent			95																																			
maximum operating pressure			1,6																																			
water volume	1,6		2,6		3,6																																	
number of heat exchanger rows			2																																			
supply voltage			~ 230/1/50																																			
electric heating coil power							2 and 4		4 and 8		5 and 10																											
electric heating coil current draw							6/max.9		11,5/max.17,3		14,5/max.21,4																											
motor power	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47		
rated current	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	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)	20,8	21,2	27,8	24,5	34,6	30,4	20	17,3	26,8	23,4	33,3	29,1	17,9	15,3	23,8	20,4	29,3	25,1	17,9	15,3	23,8	20,4	29,3	25,1	17,9	15,3	23,8	20,4	29,3	25,1	17,9	15,3	23,8	20,4	29,3	25,1		
protection rating	IP						20																															



Smart entrance protection



Accessories



HMI WING EC controller		Controller WING EC WIFI		Wall controller WING/VOLCANO		Door sensor (reed switch)		Door sensor adapter WING AC		Valve with actuator		Flex. connection hoses (set)	
VTS article No.	1-4-2801-0155	VTS article No.	1-4-2801-0156	VTS article No.	1-4-0101-0438	VTS article No.	1-4-0101-0454	VTS article No.	1-4-0101-0578	VTS article No.	1-2-1204-2019	VTS article No. 1-2-2702-0076	
Motor support	EC	Motor support	EC	Motor support	AC	Contact configuration	NO	Power supply	~230V/1ph /50Hz	Power supply voltage	~230V/1ph /50Hz	Length	0,6-0,9 m
Power supply voltage	~230V/1ph /50Hz	Power supply voltage	~230V/1ph /50Hz	Power supply voltage	6(3) V/ph/Hz	Switching current	500 mA	Rated input power	1W	Opening	3/3 min	Connection type	GW 3/4"
Permissible load	1A for 230VAC 0,02A for 0-10V	Permissible load	1A for 230VAC 0,02A for 0-10V	Permissible load	1A for 230VAC 0,02A for 0-10V	Switching voltage	max 200 V	Protection rating	IP 55	Kvs	4,5	Max. fluid pressure	1,6 MPa
Setting range	5...40 °C	Setting range	5...40 °C	Setting range	10...30 °C	Connection	screw	Dedicated to curtains with AC motor. Adapter gives possibility to use Door sensor (1-4-0101-0454) with Wall controller (1-4-0101-0438).		Protection rating	IP 54	Min. working temperature for water	5 °C
Protection rating	IP 20	Protection rating	IP 20	Protection rating	IP 30							Min. working temperature for glycol	-20 °C
												Max. working temperature	130 °C
												Set includes	hose (2 pcs) gasket (4 pcs)

Noise level

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

* air stream range depends on curtain operation speed
 ** available heating power in the control option configuration: Wing E100 2 or 4/6kW, for Wing E150 8/12kW, for Wing E200 10/15kW
 *** speed measurement conditions: semi-open space, horizontal installation on the wall, measurement performed 5 m away from the device

WING PRO

AIR CURTAINS
FOR PROFESSIONALS



Energy saving

EC motor use even 40% less electrical energy and allow for **BMS direct connection**.



Power

The wide air stream, range up to **8 meters**, capacity up to 88 kW.



Installation

Vertical or horizontal mounting possibility plus easy unit connection.



Price

Intelligent design with never-before-seen performance available at a **competitive price**.



Product range

WING PRO **WR2**

DOUBLE ROW COIL

HEATING POWER RANGE:
17 - 88 kW
 EXHAUST FLOW RATE:
7 300 - 10 700 m³/h
 MAXIMUM AIR STREAM RANGE:
7 m

WING PRO **WR1**

SINGLE ROW COIL

HEATING POWER RANGE:
9 - 48 kW
 EXHAUST FLOW RATE:
7 900 - 11 900 m³/h
 MAXIMUM AIR STREAM RANGE:
7,5 m

WING PRO **C**

WITHOUT HEATING (AMBIENT)

EXHAUST FLOW RATE:
8 500 - 12 800 m³/h
 MAXIMUM AIR STREAM RANGE:
8 m

WING PRO 200



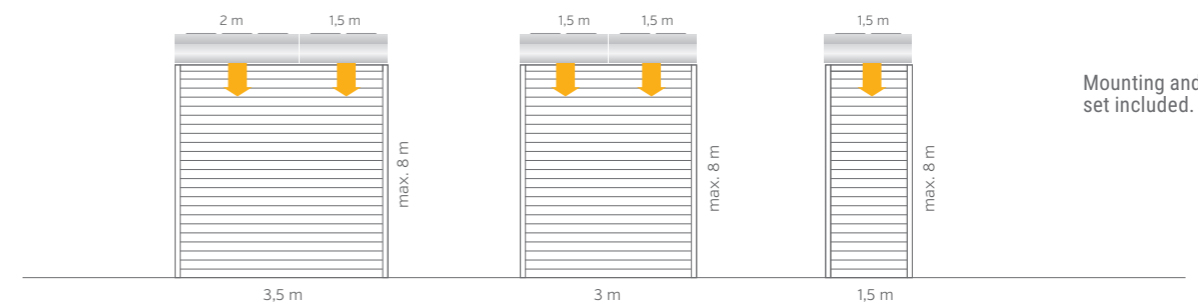
WING PRO 150



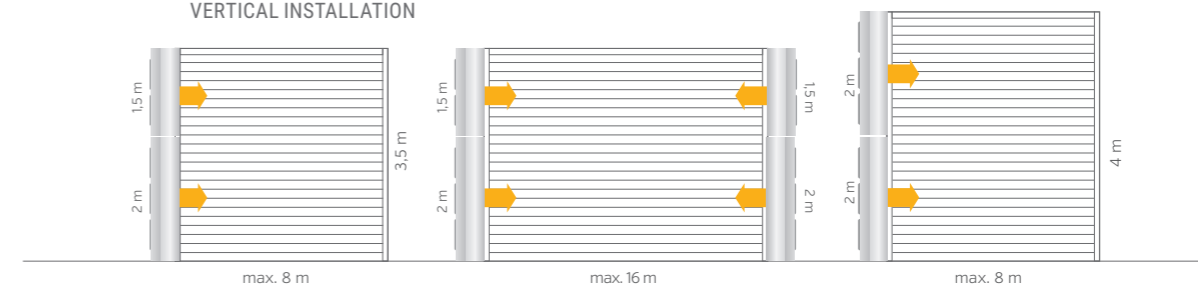
EC



HORIZONTAL INSTALLATION

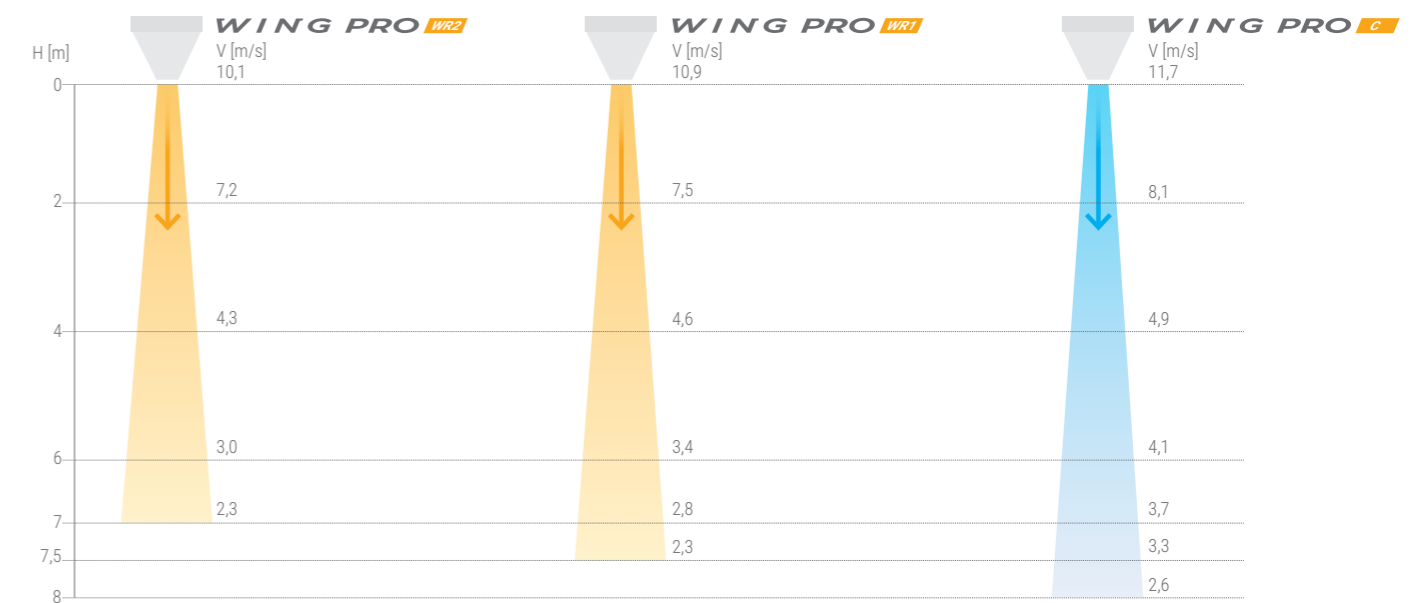


VERTICAL INSTALLATION



Mounting and connection set included.

Stream range



Technical parameters

PARAMETERS	WING PRO DOUBLE ROW COIL		WING PRO SINGLE ROW COIL		WITHOUT HEATING (AMBIENT)		
	W150 EC	W200 EC	W150 EC	W200 EC	C150 EC	C200 EC	
VTS article No.	1-4-2801-0349	1-4-2801-0355	1-4-2801-0348	1-4-2801-0354	1-4-2801-0347	1-4-2801-0353	
Max. height of door	m	1,5	2	1,5	2	1,5	2
Max. air stream range	m	7		7,5		8	
Max. flow rate	m³/h	7 300	10 700	7 900	11 900	8 500	12 800
Heating power range	kW	17-58	28-88	3-32	15-48	-	
Max. temperature of heating medium	°C	130				-	
Max. Working pressure	MPa	1,6				-	
Diameter of stub pipe connectors	"	3/4				-	
Supply voltage	V/ph/Hz	~230/1/50					
EC motor power	kW	2 x 0,25	3 x 0,25	2 x 0,25	3 x 0,25	2 x 0,25	3 x 0,25
Rated current (EC motor)	A	2 x 1,3	3 x 1,3	2 x 1,3	3 x 1,3	2 x 1,3	3 x 1,3
Weight AC/EC (without water)	kg	53,6	69,6	50,5	66,1	43,4	58,3
IP protection rating	IP	54					



Accessories



HMI WING EC controller



Controller WING EC WIFI



Door sensor (reed switch)



Valve with actuator



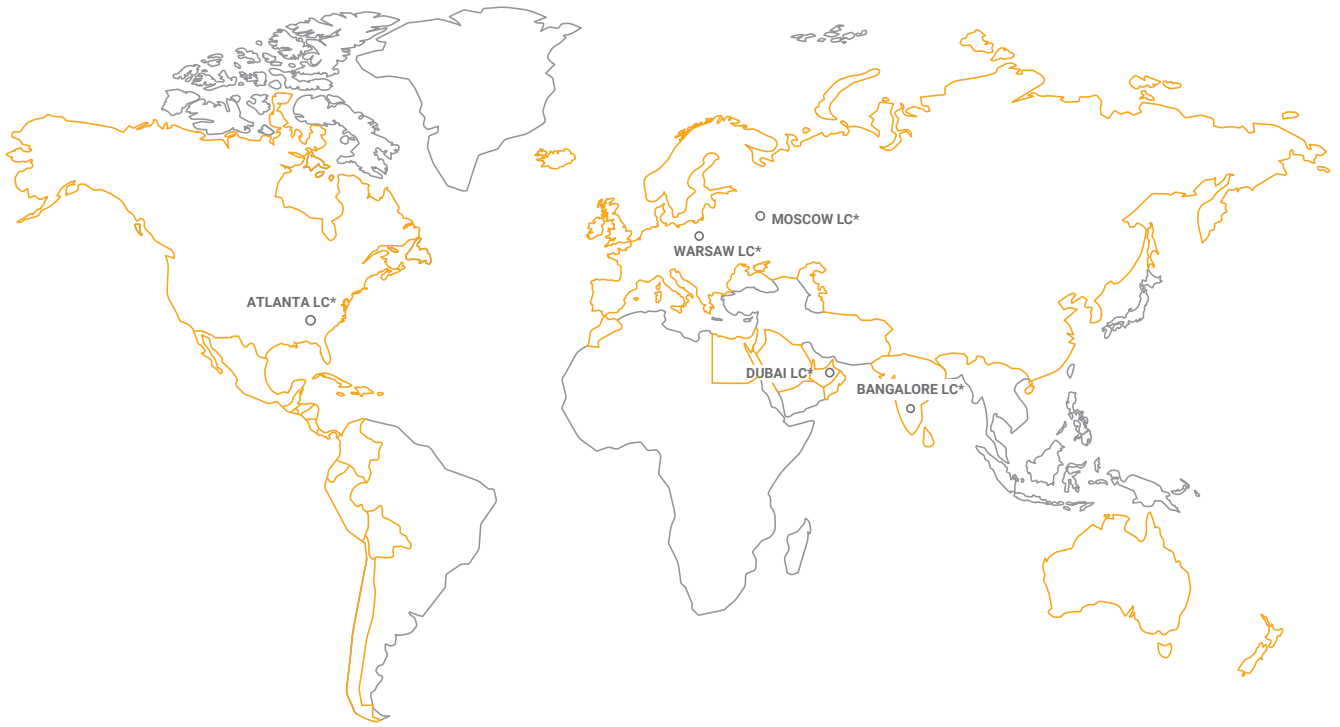
Flex. connection hoses (set)

VTS article No.	1-4-2801-0155	VTS article No.	1-4-2801-0156	VTS article No.	1-4-0101-0454	VTS article No.	1-2-1204-2019	VTS article No.	1-2-2702-0076
Motor support	- EC	Motor support	- EC	Contact configuration	- NO	Power supply voltage	V/ph/Hz ~230/1/50	Length	m 0,6-0,9
Power supply voltage	V/ph/Hz ~230/1/50	Power supply voltage	V/ph/Hz ~230/1/50	Switching current	mA 500	Opening	min 3/3	Connection type	GW 3/4"
Permissible load	A 1A for 230VAC 0,02A for 0-10V	Permissible load	A 1A for 230VAC 0,02A for 0-10V	Switching voltage	V max 200 V	Kvs	- 4,5	Max. fluid pressure	MPa 1,6
Setting range	°C 5...40	Setting range	°C 5...40	Connection	°C screw	Protection rating	IP 54	Min. working temperature for water	°C 5
Protection rating	IP 20	Protection rating	IP 20					Min. working temperature for glycol	°C -20
								Max. working temperature	°C 130
								Set includes	- hose (2 pcs) gasket (4 pcs)

Noise level

Fan speed	Noise level	WING PRO W R1		WING PRO W R2		WING PRO C	
		1,5m	2m	1,5m	2m	1,5m	2m
I	dB(A)*	45	46	45	45	47	48
II		55	57	54	55	57	58
III		64	65	62	63	65	66

* speed measurement conditions: semi-open space, horizontal installation on the wall, measurement performed 5 m away from the device



COMPETITIVE
\$ PRICE

 HIGH
QUALITY

OVER
1 000 000
UNITS
SOLD

DOWNLOAD CATALOG



EH CAD SELECTION TOOL



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