

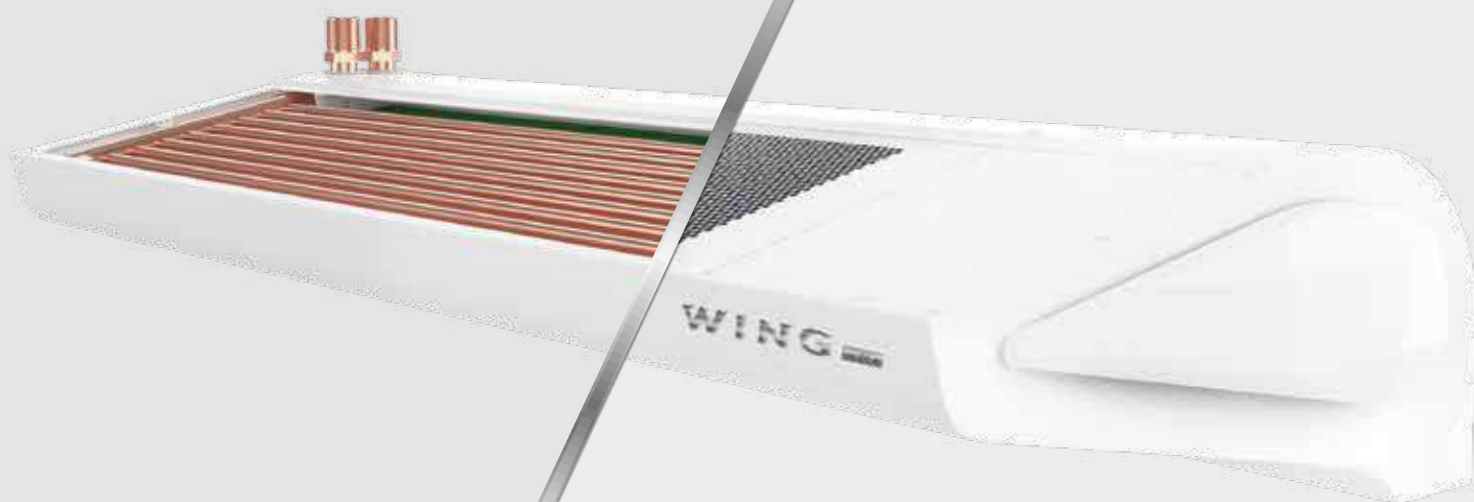


POWRMATIC®

WING

WING PRO

AIR CURTAIN RANGE



www.powrmatic.co.uk
Official UK Supplier of VTS WING/WING PRO



WING

YOUR INVISIBLE BARRIER

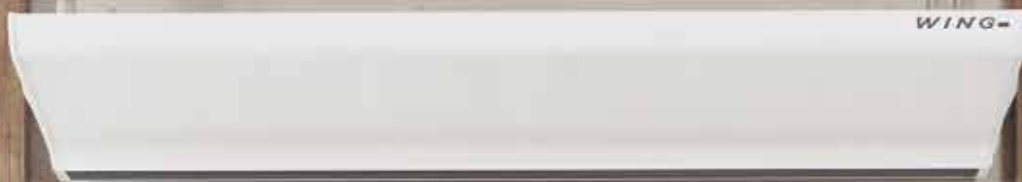
WING is the next generation air curtain created from a passion for a light and modern design representing characteristics of gliders.



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**

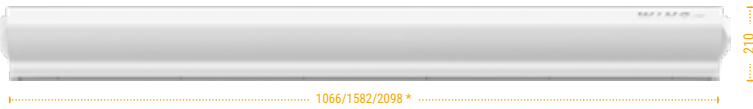
WATER HEAT EXCHANGER

HEATING POWER RANGE:
4 – 47 kW

EXHAUST FLOW RAT:
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 RAT:
1850-4500 m³/h

MAXIMUM AIR COVERAGE:
3,7 m



DEDICATED BRACKETS



FASTENING PINS

* width does not include side covers

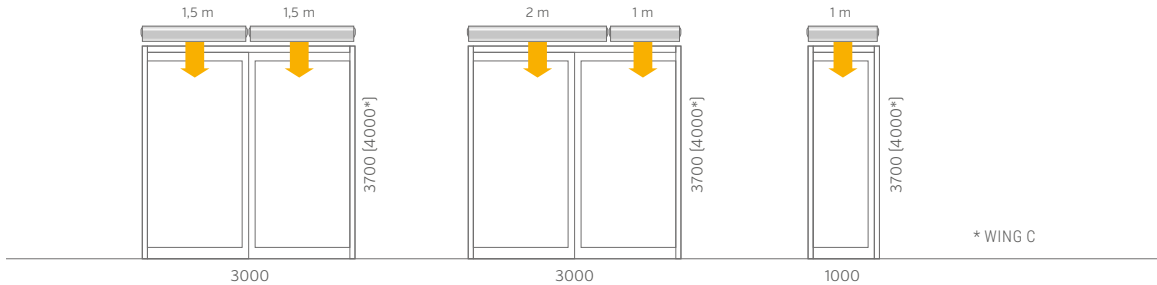
WING **C**

WITHOUT HEAT EXCHANGER (AMBIENT)

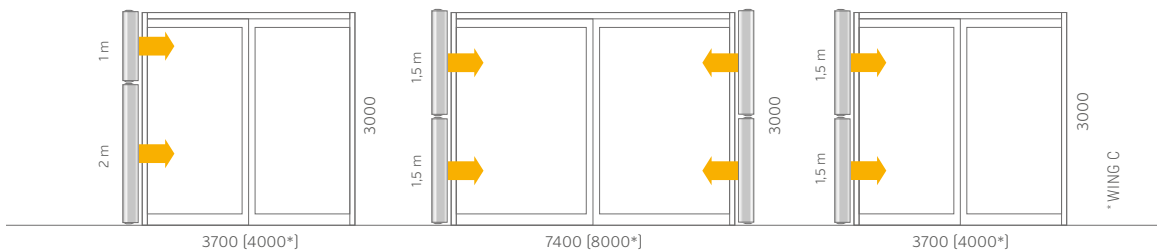
EXHAUST FLOW RATE:
4 m

EXHAUST FLOW RAT:
1950-4600 m³/h

HORIZONTAL INSTALLATION

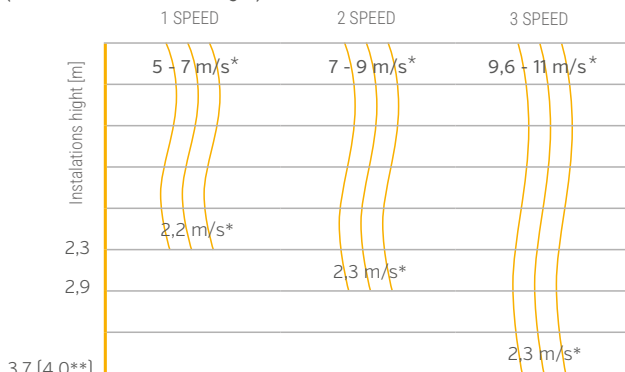


VERTICAL INSTALLATION



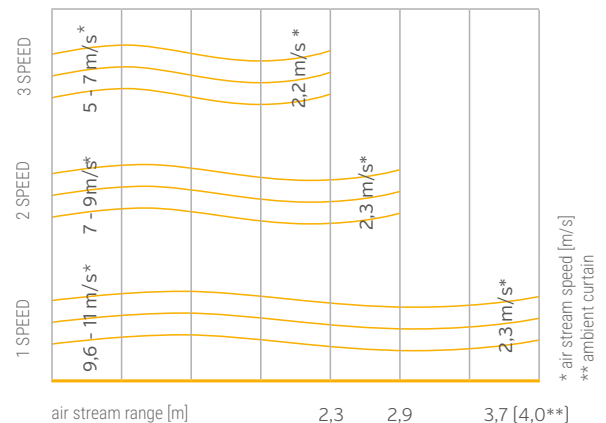
Stream range

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		
	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC		
Colour ○ WHITE (RAL 9016) ● DARK (RAL 7016)	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
Product Code	WING-W100W-EC	WING-W100G-EC	WING-W150W-EC	WING-W150G-EC	WING-W200W-EC	WING-W200G-EC	WING-E100W-EC	WING-E100G-EC	WING-E150W-EC	WING-E150G-EC	WING-E200W-EC	WING-E200G-EC	WING-C100W-EC	WING-C100G-EC	WING-C150W-EC	WING-C150G-EC	WING-C200W-EC	WING-C200G-EC	
maximum door width (1 device)	m	1	1,5	2	1	1,5	2	1	1,5	2	1	1,5	2	1	1,5	2	1	1,5	2
maximum door height (vertical stream range)*	m	3,7			3,7			3,7			4			4			4		
maximum exhaustflow rate	m³/h	1850	3100	4400	1850	3150	4500	1950	3200	4600	1950	3200	4600	1950	3200	4600	1950	3200	4600
heating power range**	kW	4-17	10-32	17-47	2 lub 4/6	8/12	10/15	-	-	-	-	-	-	-	-	-	-	-	-
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 4/6kW			~400/3/50			~230/1/50			~230/1/50			~230/1/50		
electric heating coil power	kW	-			2 and 4			4 and 8			5 and 10			-			-		
electric heating coil current draw	A	-			6/max.9			11,5/max.17,3			14,5/max.21,4			-			-		
motor power	kW	0,2	0,3	0,47	0,2	0,3	0,47	0,2	0,3	0,47	0,2	0,3	0,47	0,2	0,3	0,47	0,2	0,3	0,47
rated current	A	1,1	1,3	1,9	1,1	1,3	1,9	1,1	1,3	1,9	1,1	1,3	1,9	1,1	1,3	1,9	1,1	1,3	1,9
weight (without water)	kg	21,2	24,5	30,4	17,3	23,4	29,1	15,3	20,4	25,1	15,3	20,4	25,1	15,3	20,4	25,1	15,3	20,4	25,1

Accessories



HMI WING

Part Number	WING-HMI
Motor support	EC
Power supply voltage	~230V/1ph /50Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	5...40 °C
Protection rating	IP 20



HMI WING Wi-Fi

Part Number	WING-HMI-WIFI
Motor support	EC
Power supply voltage	~230V/1ph /50Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	5...40 °C
Protection rating	IP 20



DOOR.SNR K01

Part Number	WING-DS
Contact configuration	NO
Switching current	500 mA
Switching voltage	max 200 V
Connection	screw



VA-VEH202TA/valve with actuator

Part Number	WX-VA
Power supply voltage	~230V/1ph /50Hz
Opening	3/3 min
Kvs	4,5
Protection rating	IP 54



Flex. connection hoses (set)

Part Number	WX-FC
Lenght	0,6-0,9 m
Connection type	GW 3/4"
Max. fluid pressure	1,6 MPa
Min. working temperature for water	5 °C
Min. working temperature for glycol	-20 °C
Max. working temperature	130 °C
Set includes	hose (2 pcs) gasket (4 pcs)

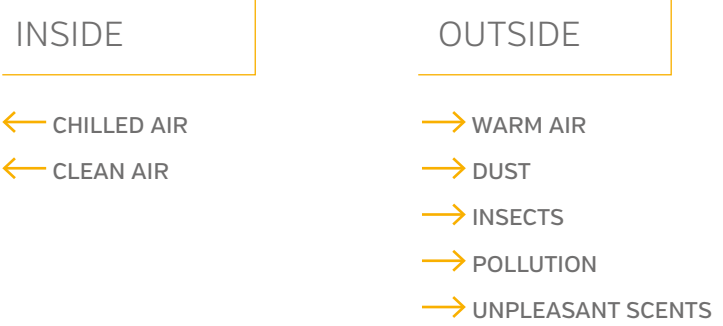


Surface mounted box for HMI

Part Number	HMI-SMB
dimensions	100x100x70mm
type	surface mounted
color	RAL 9016
set includes	bracket and 2 screws



Smart entrance protection



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

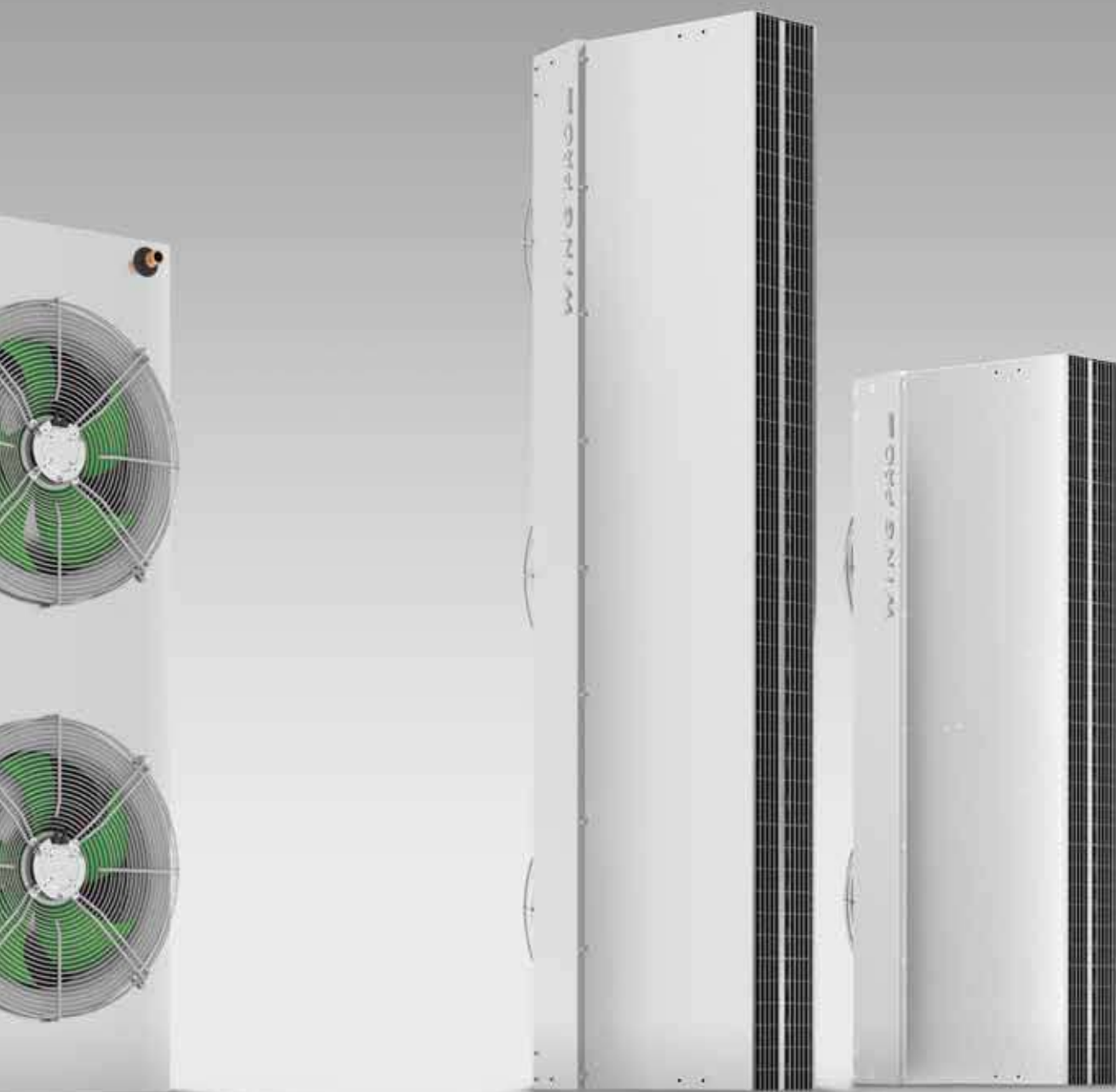
WING PRO

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



2072 mm

WING PRO 150

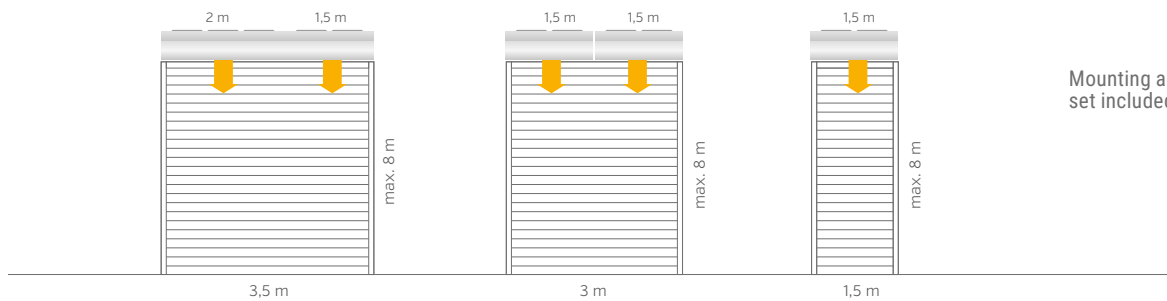


1556 mm

EC

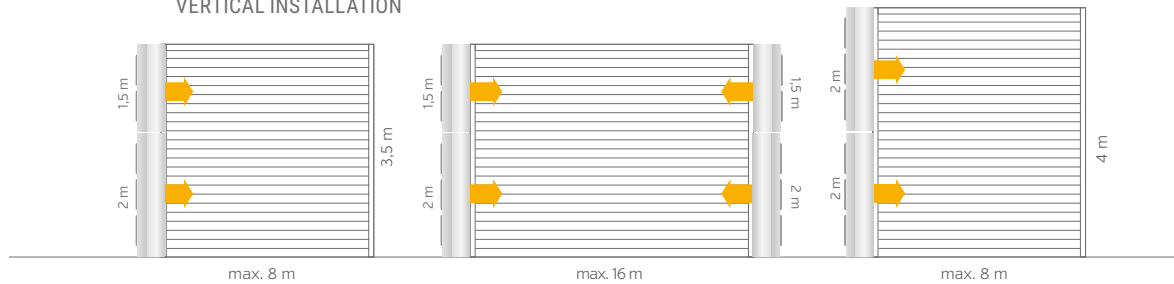


HORIZONTAL INSTALLATION

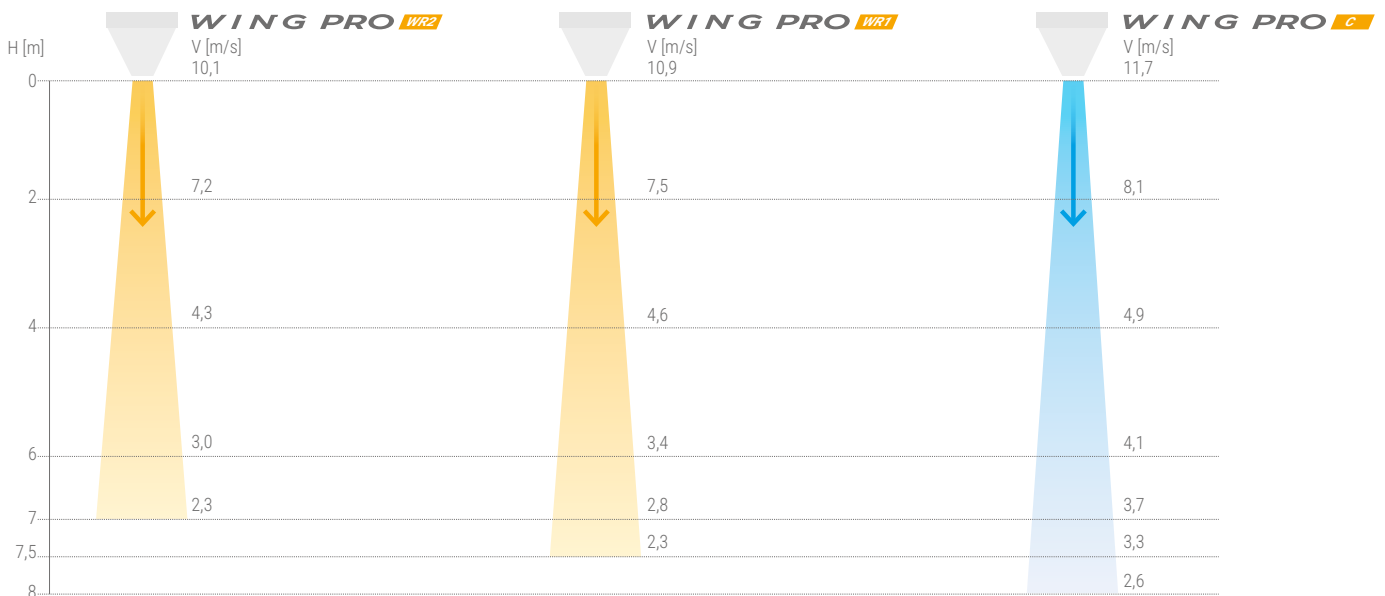


Mounting and connection set included.

VERTICAL INSTALLATION



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	
Part Number	WING Pro W150 R2 EC	WING Pro W200 R2 EC	WING Pro W150 R1 EC	WING Pro W200 R1 EC	WING Pro C150 EC	WING Pro C200 EC	
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

Part Number	WING-HMI
Motor support	EC
Power supply voltage	~230V/1ph /50Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	5...40 °C
Protection rating	IP 20



HMI WING Wi-Fi

Part Number	1-4-2801-0156
Motor support	EC
Power supply voltage	~230V/1ph /50Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	5...40 °C
Protection rating	IP 20



DOOR.SNR K01

Part Number	WING-DS
Contact configuration	NO
Switching current	500 mA
Switching voltage	max 200 V
Connection	screw



VA-VEH202TA/valve with actuator

Part Number	WX-VA
Power supply voltage	~230V/1ph /50Hz
Opening	3/3 min
Kvs	4,5
Protection rating	IP 54



Flex. connection hoses (set)

Part Number	WX-FC
Lenght	0,6-0,9 m
Connection type	GW 3/4"
Max. fluid pressure	1,6 MPa
Min. working temperature for water	5 °C
Min. working temperature for glycol	-20 °C
Max. working temperature	130 °C
Set includes	hose (2 pcs) gasket (4 pcs)



Surface mounted box for HMI

Part Number	HMI-SMB
dimensions	100x100x70mm
type	surface mounted
color	RAL 9016
set includes	bracket and 2 screws



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



POWRMATIC®

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#keepingthenationwarm

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