



WING

AIR CURTAIN



THE PERFECT SHAPE OF QUALITY



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)

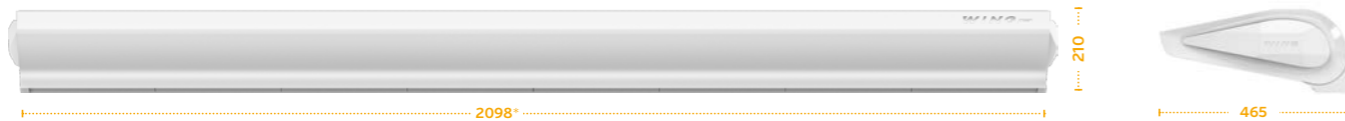
MAX. AIR RANGE:
4 m

EXHAUST FLOW RATE:
1950-4600 m³/h



DIMENSIONS

200 W/E/C



150 W/E/C



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

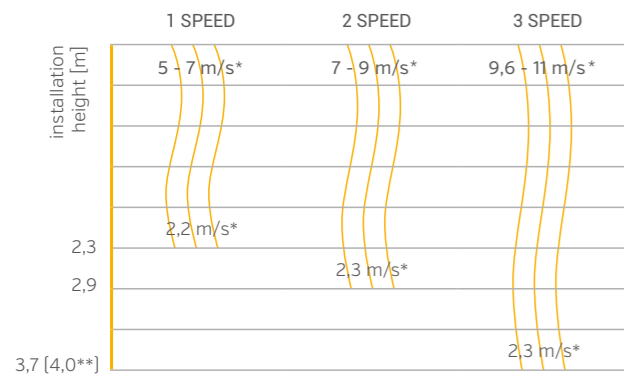
* in offer

100 W/E/C



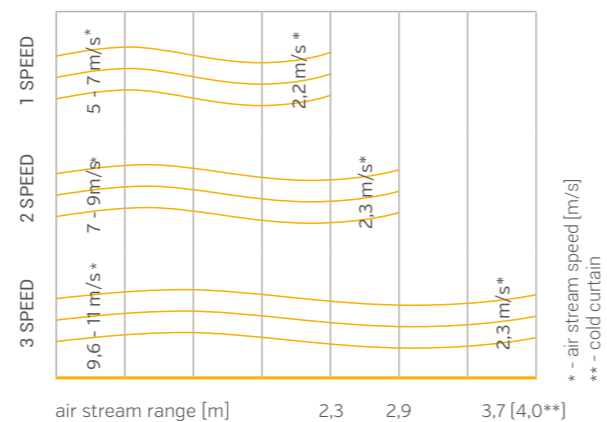
STREAM RANGE

Vertical air stream range
(maximum installation height)



* - air flow rate [m/s]
** - cold curtain

Horizontal air stream range
(for vertical installation)



* - air stream speed [m/s]
** - cold curtain

INSTALLATION



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

* WING W, WING C



CONTROL

WING wall controller		AC MOTORS		HMI wall controller*		EC MOTORS		Actuated valve		Door sensor (reed switch)*	
VTS item No.		1-4-0101-0438		VTS item No.		1-4-0101-0451		VTS item No.		1-2-1204-2019	
power supply	V/ph/Hz	~230/1/50		power supply	V/ph/Hz	~230/1/50		power supply	V/ph/Hz	~230/1/50	
acceptable load	A	6(3)		acceptable load	A	1A for 230VAC 0,02A for 0-10V		opening / closing time	min	3/3	
set point range	°C	10...30		cset point range	°C	10...30		kVs	-	4,5	
protection rating	IP	30		protection rating	IP	30		protection rating	IP	54	

surface-mounted reed switch, ALU housing

** - available from August 2016

PARAMETERS OF WING AIR CURTAINS

PARAMETERS	UNIT	WATER CURTAIN			ELECTRICAL CURTAIN			COLD CURTAIN		
		WING W100	WING W150	WING W200	WING E100	WING E150	WING E200	WING C100	WING C150	WING C200
VTS item No.		1-4-2801-0035	1-4-2801-0036	1-4-2801-0037	1-4-2801-0038	1-4-2801-0039	1-4-2801-0040	1-4-2801-0041	1-4-2801-0042	1-4-2801-0043
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***	m ³ /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	dm ³	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 and 4	4 and 8	6 and 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)	kg	27	36	54	27,5	37	55	23	31	47
protection rating	IP	21								

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)***	59	61	61	59	61	61	62	63	63
II		47	48	48	47	48	48	49	49	50
I		44	44	46	44	44	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