



WING

AIR CURTAIN



YOUR
INVISIBLE
BARRIER

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 WING controller



- » modern and compact design
- » high contrast and clear screen
- » advanced calendar for each day in the week
- » door sensor cooperation
- » BMS systems compatibility
- » 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

ELECTRIC HEATER

HEATING POWER RANGE:
7-51 MBH

EXHAUST FLOW RATE:
1088-2648 CFM

MAXIMUM AIR COVERAGE:
12 ft

WING 100/150/200



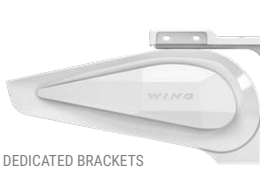
WING E

WATER HEAT EXCHANGER

HEATING POWER RANGE:
13-160 MBH

EXHAUST FLOW RATE:
1089-2589 CFM

MAXIMUM AIR COVERAGE:
12 ft

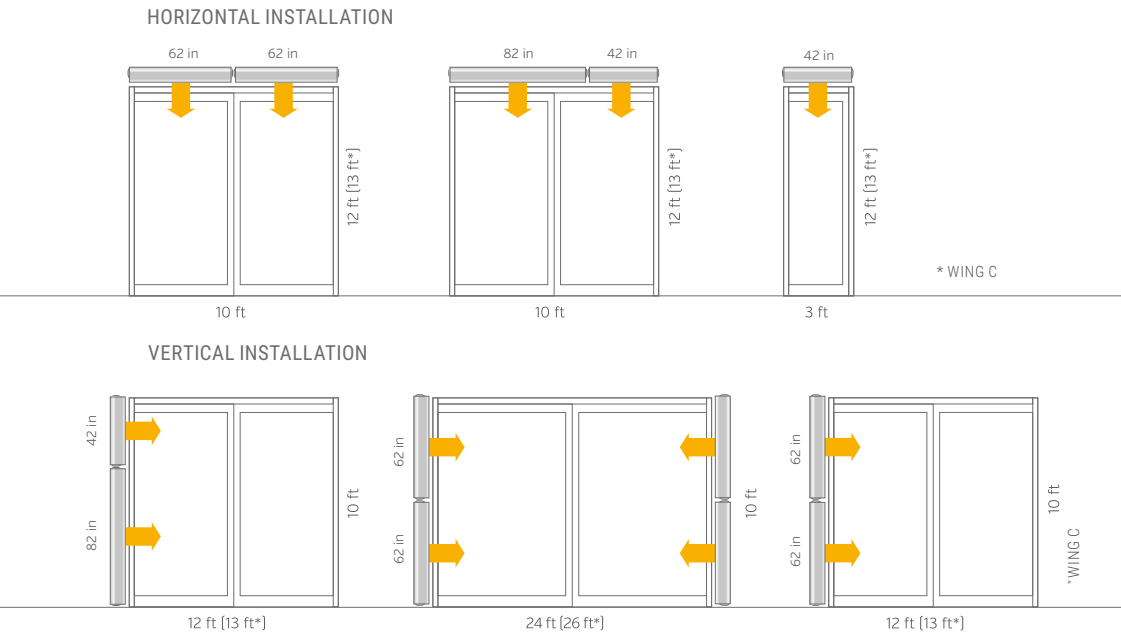
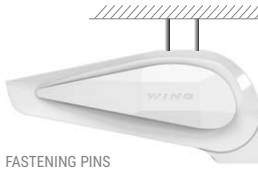


WING C

WITHOUT HEAT EXCHANGER [AMBIENT]

EXHAUST FLOW RATE:
1147-2707 CFM

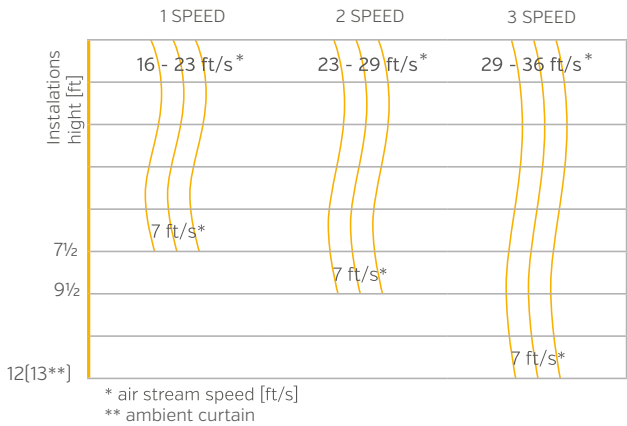
MAXIMUM AIR COVERAGE:
13 ft



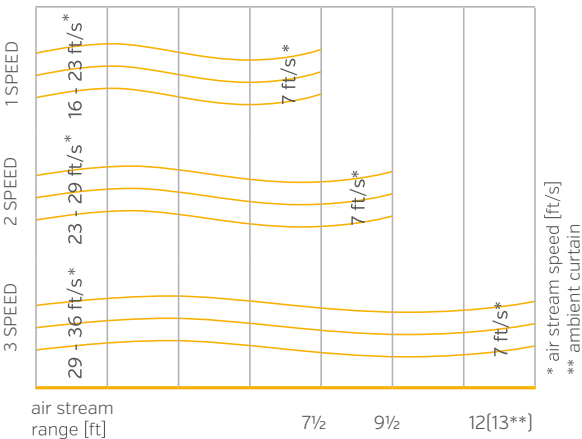
* width does not include side covers

Stream range

Vertical air stream range (maximum installation height)



Horizontal air stream range (for vertical installation)



Technical parameters

Parameters		WATER AIR CURTAIN			ELECTRIC AIR CURTAIN							AMBIENT AIR CURTAIN		
		W100 240/1/60	W150 240/1/60	W200 240/1/60	E100 240/1/60	E100 240/3/60	E100 480/3/60/ HLD	E150 240/3/60	E150 480/3/60/ HLD	E200 240/3/60	E200 480/3/60/ HLD	C100 240/1/60	C150 240/1/60	C200 240/1/60
VTS article No.		1-4-2801-0093	1-4-2801-0094	1-4-2801-0095	1-4-2801-0086	1-4-2801-0087	1-4-2801-0090	1-4-2801-0088	1-4-2801-0091	1-4-2801-0089	1-4-2801-0092	1-4-2801-0096	1-4-2801-0097	1-4-2801-0098
maximum door width (1 device)	in	39	59	79	39			59		79		39	59	79
maximum door height (vertical stream range)**	ft	12			12							13		
maximum exhaustflow rate***	CFM	1089	1824	2589	1088			1854		2648		1147	1883	2707
heating power range	kW	4-17	10-32	17-47	2/4/6			4/8/12		6/9/15		-		
maximum temperature of heating agent	°F	200			-							-		
maximum operating pressure	psi	232			-							-		
water volume	in³	97	158	219	-							-		
diameter of stub pipe connectors	"	3/4			-							-		
supply voltage	V/ph/Hz	~240/1/(50/60)			~240/1/ (50/60)	~240/3/ (50/60)	~480/3/ (50/60)	~240/3/ (50/60)	~480/3/ (50/60)	~240/3/ (50/60)	~480/3/ (50/60)	~240/1/(50/60)		
electric heating coil power	kW	-			2 and 4			4 and 8		6 and 9		-		
electric heating coil current draw	A	-			9 or 5/10/15 or 3/5/8			10/20/30 5/10/15		15/22/37 8/11/19		-		
motor capacity	kW	0.26	0.40	0.63	0.26			0,40		0,63		0.26	0.40	0.63
FLA	A	1.5	2.2	3.5	27,1	16,7	9,1	32	17,2	40,6	22,1	1.5	2.2	3.5
weight (without water)	lbs	47	64	83	49			67		86		42	56	72
protection rating	IP	20												
casing colour		RAL 9016, outlet grid: RAL 9022												

Accessories

			
HMI WING controller	Door sensor (reed switch)*	Valve with actuator	Flex. connection hoses (set)
VTs article No.1-4-2801-0223	VTs article No.1-4-0101-0454	VTs article No.1-2-1204-0003	VTs article No.1-2-2702-0076
Motor support-EC	Contact configuration-NO	Power supply voltageV/ph/Hz~240/1/60	Lenghtft2-3
Power supply voltageV/ph/Hz~240/1/50	Switching currentmA500	Power consuption electricalW1	Connection typeGW/GW3/4"
Permissible loadA1A for 240 V AC0,02A for 0-10V	Switching voltageVmax 200 V	Connection"3/4	Max. fluid pressurepsi232
Setting range°F41...104	Connectionscrew	Coefficient of Volume4.5	Min. working temperature for water°F41
Protection ratingIP20		Opening/closing timemin3/3	Min. working temperature for glycol°F-4
		Protection ratingIP54	Max. working temperature°F200
			Set includes-hose (2 pcs)gasket (4 pcs)

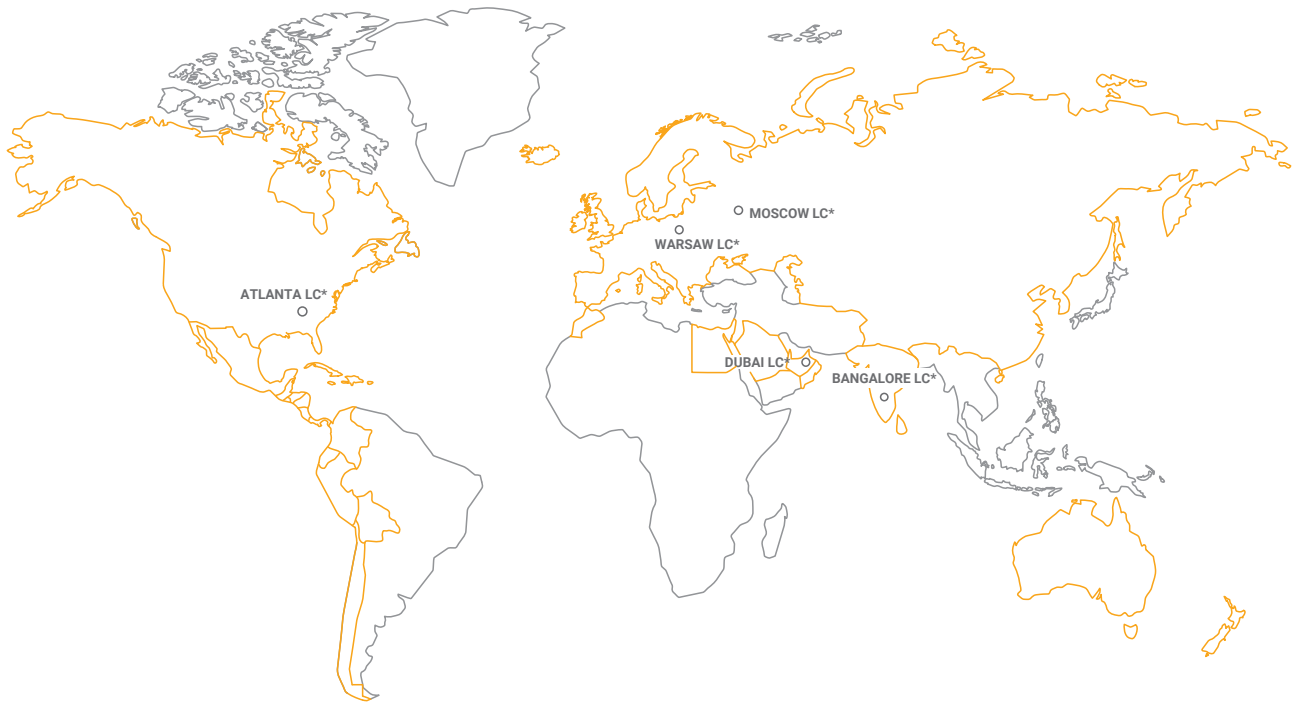
* cooperations with WING EC controller



Noise level

WATER AIR CURTAIN	Noise level dB(A)*	ELECTRIC AIR CURTAIN	Noise level dB(A)*	AMBIENT AIR CURTAIN	Noise level dB(A)*
WING W100	56-61	WING E100	53-62	WING C100	57-66
WING W150	57-63	WING E150	55-62	WING C150	59-67
WING W200	60-66	WING E200	59-64	WING C200	61-67

* Measurement conditions: semi-open space, horizontal installation on the wall, measurement performed 10 ft away from the device.
Noise level depends on curtain operation speed and by using EC motors, the values can be further reduced.



\$ COMPETITIVE
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 HIGH
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EH CAD **CURTAIN 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.