



WING

AIR CURTAIN



YOUR
INVISIBLE
BARRIER

WING

YOUR INVISIBLE BARRIER



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

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



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 E

WATER HEAT EXCHANGER

HEATING POWER RANGE:
13-160 MBH

EXHAUST FLOW RATE:
1089-2589 CFM

MAXIMUM AIR COVERAGE:
12 ft

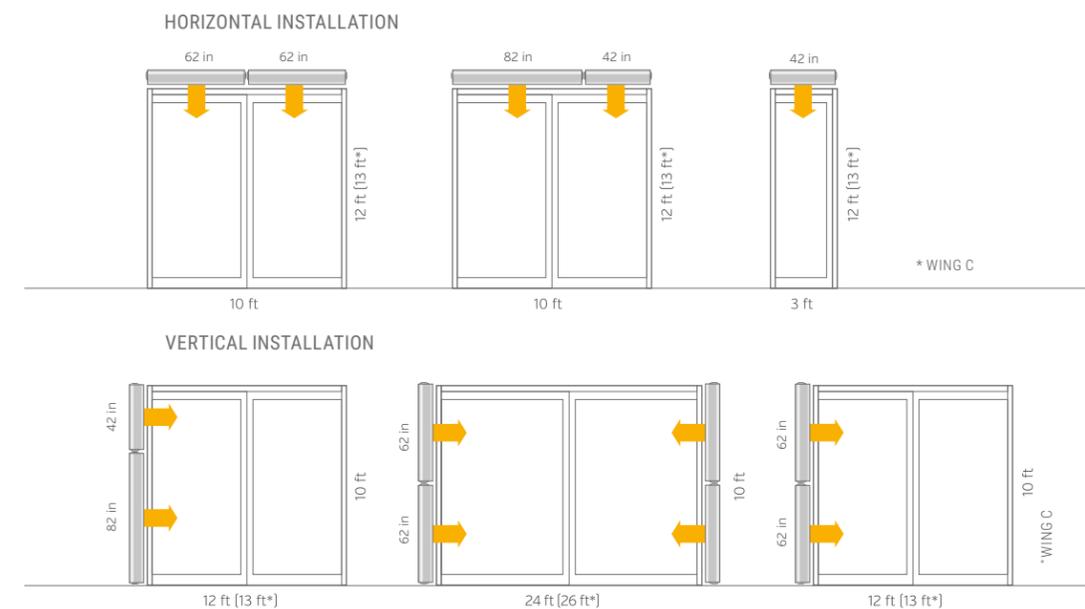
WING C

WITHOUT HEAT EXCHANGER (AMBIENT)

EXHAUST FLOW RATE:
1147-2707 CFM

MAXIMUM AIR COVERAGE:
13 ft

WING 100/150/200



* width does not include side covers

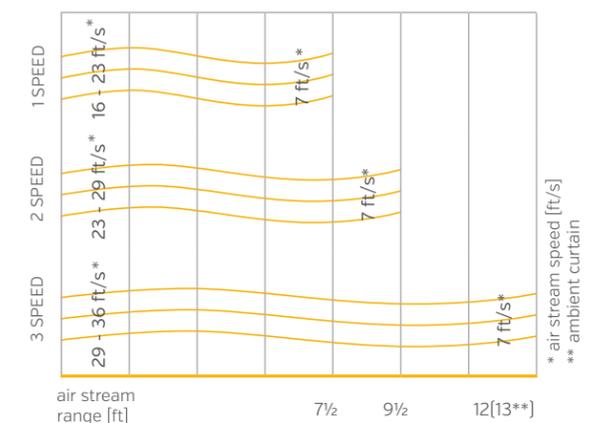
Stream range

Vertical air stream range (maximum installation height)



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

Horizontal air stream range (for vertical installation)



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

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 | | | 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 | | | |
| 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 | | | |
| 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)

| 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 voltage | V/ph/Hz ~240/1/60 | Length | ft 2-3 |
| Power supply voltage | V/ph/Hz ~240/1/50 | Switching current | mA 500 | Power consumption electrical | W 1 | Connection type | GW/GW 3/4" |
| Permissible load | A 1A for 240 V AC 0,02A for 0-10V | Switching voltage | V max 200 V | Connection | " 3/4 | Max. fluid pressure | psi 232 |
| Setting range | °F 41...104 | Connection | screw | Coefficient of Volume | 4.5 | Min. working temperature for water | °F 41 |
| Protection rating | IP 20 | | | Opening/closing time | min 3/3 | Min. working temperature for glycol | °F -4 |
| | | | | Protection rating | IP 54 | Max. working temperature | °F 200 |
| | | | | Set includes | - | hose (2 pcs) gasket (4 pcs) | |

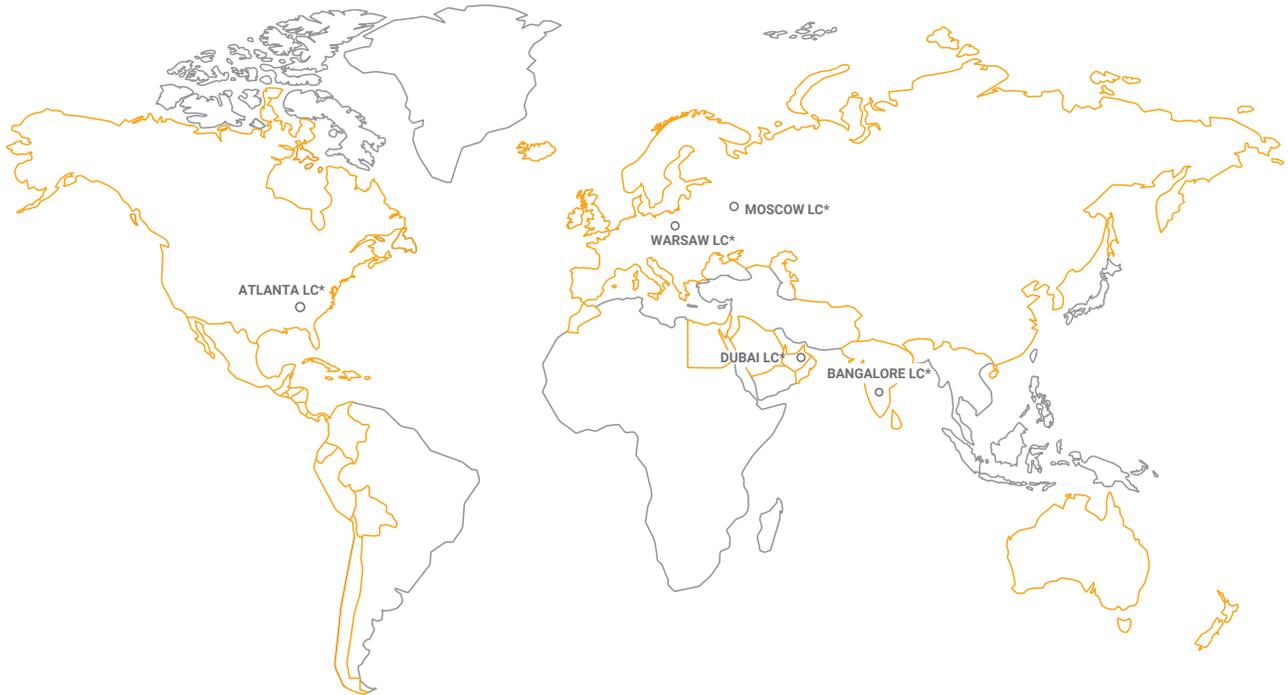
* cooperations with WING EC controller



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
\$ PRICE

HIGH
CROWN QUALITY

OVER
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UNITS
SOLD

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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.