

EcoStream 90 Natural Intake Ventilation



MoffittCorp.com | (800) 474-3267
1351 13th Ave S. Suite 130
Jacksonville Beach, FL 32250



EcoStream 90 Natural Intake Ventilator

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EcoStream 90 Natural Intake Ventilator

EcoStream 90° Louver Product Details

PRODUCT DESCRIPTION

Moffitt Industrial Wall Louvers are specially fabricated to meet the rigors of heavy industry while providing maximum free area with minimal pressure drop and water entrainment. Full opening, 90° louvers are designed for high volume requirements with low static pressure. Used primarily in high heat applications as building intake to reduce negative air pressures.

PRODUCT BENEFITS

- 3 Product Models to meet any customer need.
- Uses no energy, has no operating costs, and requires little to no maintenance.
- Designed to mount flush with interior wall or exterior building façade

STANDARD FEATURES

- Adjustable Blades, Full opening, 90° angles
- 3 product models of wall louvers
- Frames 4"-6" deep
- Single panel size range 12" x 12" to 72" x 96"
- Galvanized Steel Construction – Mill finish
- Mullion Covers & Fasteners
- Mounting Clips & Installing Fasteners
- Bird Screen: 3/4" mesh 20 ga. Galvanized Steel
- Operator: Spring loaded pull chain w/ 10' chain & clip
- Mounting: Flush with interior or exterior building façade
- Lightweight (on select product models)

OPTIONAL FEATURES

- Multiple panel wide x high
- Materials
 - Aluminum
 - Stainless Steel
- 1.5" Face Flange
- Blade Seals
- Stainless steel jamb seals
- Screens
 - Aluminum bird screen
 - Stainless steel bird screen
- Urethane finish to color match
- Operator
 - Manual chain pull

INDUSTRY APPLICATION

- | | | |
|-------------------------|--------------------------|-----------------------|
| • Aluminum Plants | • Glass & Glass Products | • Power Stations |
| • Automotive Plants | • Gypsum Plants | • Pulp & Paper Plants |
| • Cement & Concrete | • Heavy Manufacturing | • Specialty Chemicals |
| • Chemical Plants | • Mining & Minerals | • Steel Mills |
| • Foundries & Forging | • Plastics Plants | • Warehouses |
| • General Manufacturing | • Processing Industry | • +Others |

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EcoStream 90° Louver Comparison

Moffitt manufactures three product models of EcoStream 90° wall louvers. See below to learn more about the differences between the different models.

LV9090

- Bird Screen compatible
- Free Area, Nominal
- 7" deep frame
- 72" x 120" maximum single panel
- Blades do not extend beyond the outer building wall louver jamb, but do extend beyond the inner louver jamb.
- Full length pivot pipe incorporated into blade design.

LV7090

- Not Compatible with Bird Screen
- Free Area, Nominal
- 5" deep frame
- 72" x 124" maximum single panel size
- Blades are approx. 15" deep & extend beyond louver jambs when open

LV7590

- Bird Screen compatible
- Free Area, Nominal
- 6" deep frame
- 72" x 120" maximum single panel
- Blades stay contained within louver jambs

EcoStream 90 Natural Intake Ventilator

LV7090 Adjustable Blade 90° Wall Louver Product Details

Standard Features

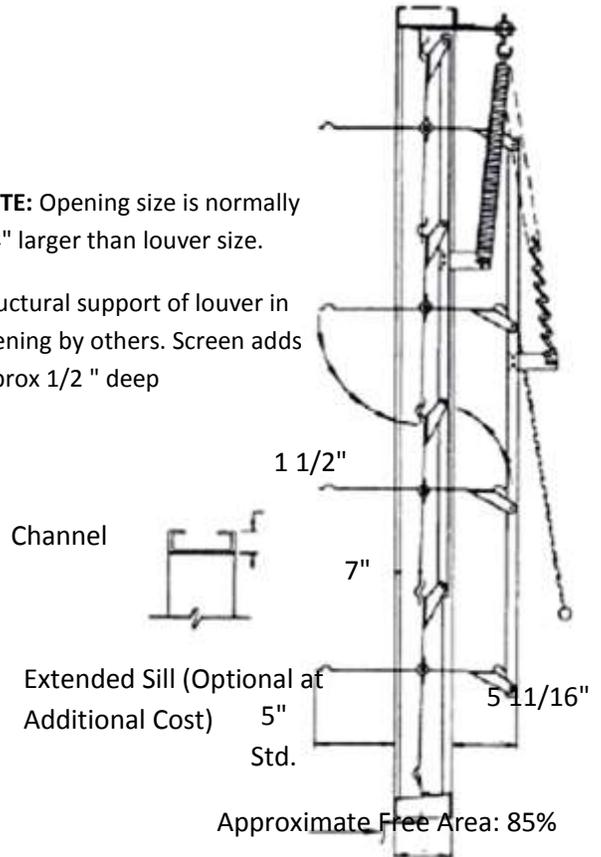
- 5" Deep Channel, 12 ga. Galvanized steel
- Blades: 18 ga Galvanized steel
- Pivots: 3/8" diameter Galvanized pipe
- Bearings: Heavy Duty, self-lubricating nylon
- Operator: Spring operated with pull chain and clip
- Min Size: 12" wide x 38" high
- Max Size: 72" wide x 128" high
- Mullion Covers (outside only)
- Mounting Slips and Fasteners
- Stainless Jamb Seals

Optional Features

- Frame:
 - 1 1/2" Face Flange
 - 6" Deep
- Materials:
 - Aluminum
 - Stainless Steel
- Screen with boxed frame (Box ships knocked down)
 - Aluminum Insect
 - 3/4" mesh Expanded Aluminum
 - 1/2 mesh Stainless Steel
 - 1/2 mesh 19 ga. Galv. steel
- Powder coat finish to color match
- Neoprene blade seals

NOTE: Opening size is normally 1/4" larger than louver size.

Structural support of louver in opening by others. Screen adds approx 1/2 " deep



STD LOUVER HEIGHTS	NO. Of BLADES
38"	2
53"	3
68"	4
83"	5
98"	6
113"	7
128"	8

Mark	Qty	Louver Size		Job Description
		A' Width	B' Width	

EcoStream 90 Natural Intake Ventilator

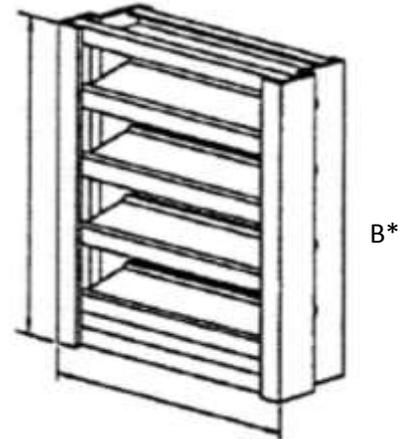
LV7590 Adjustable Blade 90° Wall Louver Product Details

Standard Features

- Frame: 6" deep channel, 14 ga. Galvanized steel
- Blades: 18 ga. Galvanized steel
- Screen: 1/2" mesh 19 ga. Galvanized
- Pivots: 1/2" diameter plated steel
- Bearings: Heavy-duty, self-lubricating nylon
- Linkage: Plated steel brackets, brass pivots and 5/16" diameter plated steel linkage rod
- Operator: Individual thumbscrew
- Min. Size: 12" wide x 23" high
- Max. Size: 60" wide x 96" high
- Mullion Covers (outside only)
- Mounting Clips and Fasteners

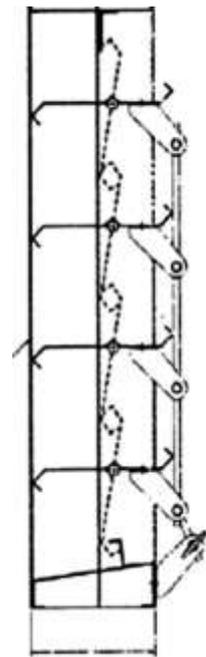
Optional Features

- Frame:
 - 1 1/2" Face Flange
 - 6" Deep
- Materials:
 - Aluminum
 - Stainless Steel
 - Versacorr sheeting
- Screen with boxed frame (Box ships knocked down)
 - Aluminum Insect
 - 3/4" mesh Expanded Aluminum
 - 1/2 mesh Stainless Steel
 - 1/2 mesh 19 ga. Galv. steel
- Powder coat finish to color match
- Neoprene blade seals
- Stainless jamb seals



NOTE: Opening size is normally 1/4" larger than louver size. Structural support of louver in opening by others. Screen adds approximately 1/2 " deep

A*



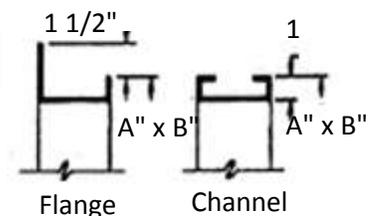
Bird Screen

Approximate Free Area: 75%

6" Std.

Mark	Qty	Louver Size		Job Description
		A' Width	B' Width	

Frame Construction



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LV9090 Adjustable Blade 90° Louver Product Details

Standard Features

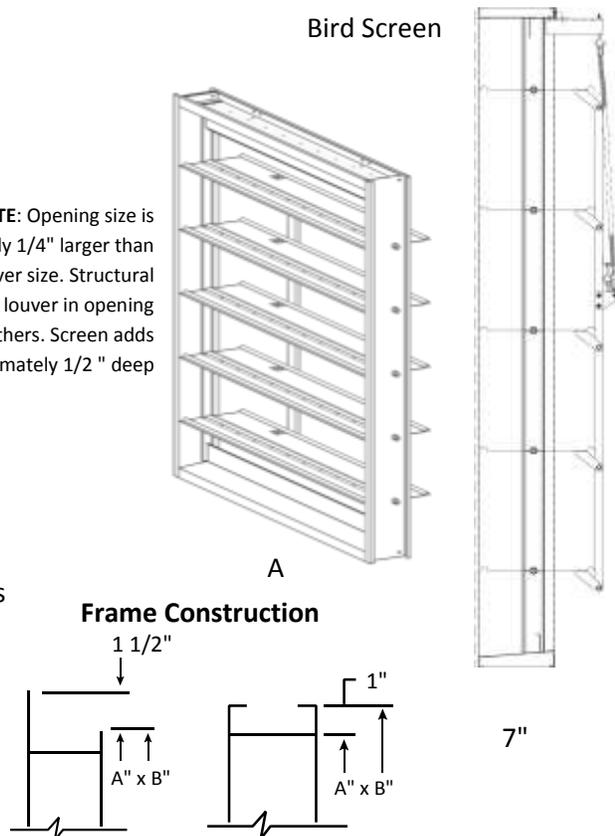
- Adjustable Blades
- Full opening, 90° blade angles
- Maximum blade width: 72"
- Maximum blade height: 120"
- Minimum blade height: 26.75"
- Minimum blade width: 30"
- Frame: 7" deep channel, 12 ga.
- Blades: 18 ga., continuous length pipe flat blades. 90° operating, 10" Spacing.
- Bearings: Heavy-duty, self-lubricating nylon
- Jamb Seals: stainless steel
- Finish: Mill finish
- Mullion Covers & Fasteners: Outside only when multiple louvers are in one opening
- Mounting Clips & Installing Fasteners: Included, 2' on center
- Bird Screen: Bird Screen: 3/4" mesh 20 ga. Galvanized Steel (shipped loose for field install)
- Operator: Spring loaded pull chain with 10' chain and chain clip

Standard Heights For Minimum Blank Off		
Nominal Height	Actual Height	# of Blades
26.75"	26.5"	2
36.75"	36.5"	3
46.75"	46.5"	4
56.75"	56.5"	5
66.75"	66.5"	6
76.75"	76.5"	7
86.75"	86.5"	8
96.75"	96.5"	9
106.75"	106.5"	10
116.75"	116.5"	11

Optional Features

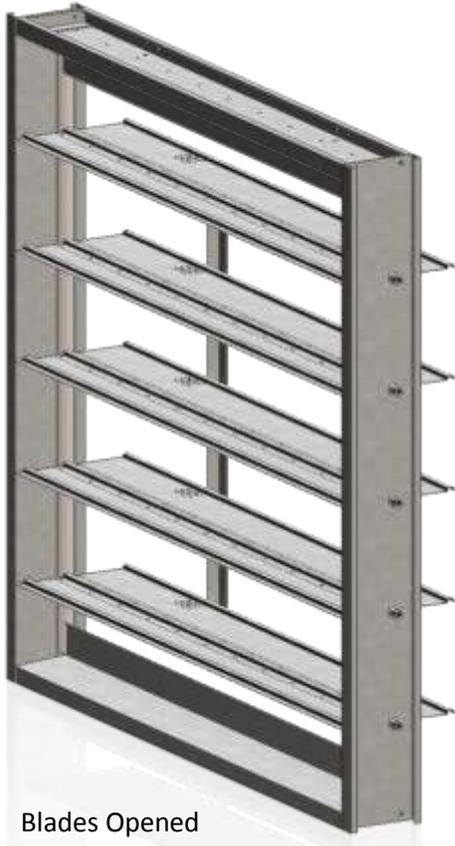
- Blade Seals; Multiple panel, width x height configurations
- Frame: Face Flange
- Materials:
 - Galvanized steel
 - Aluminum
 - Specialty Alloy
- Screen:
 - Aluminum Insect, 3/4" mesh
 - Expanded Aluminum
 - Stainless Steel, 1/2" mesh
 - Finish:
 - Urethane to color match
- Operators
 - Manual chain pull & hand crank operators
 - Hand wheel and hack-shafting operator 115v motor operator

NOTE: Opening size is normally 1/4" larger than louver size. Structural support of louver in opening by others. Screen adds approximately 1/2" deep

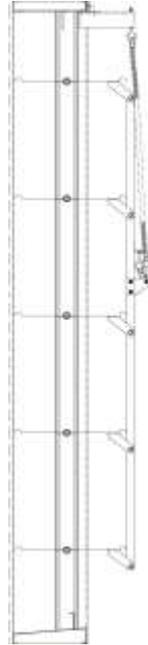


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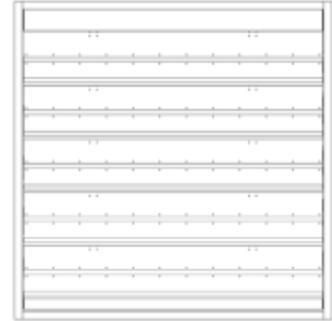
LV9090 Diagrams & Photos



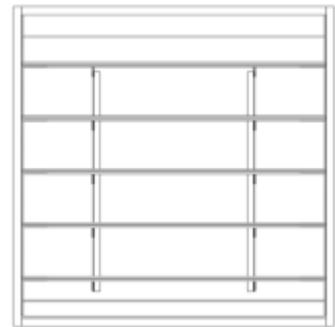
Blades Opened exterior



Blades Opened side view



Blades Closed - exterior



Blades Opened - exterior



Blades Closed interior



Blades Opened interior