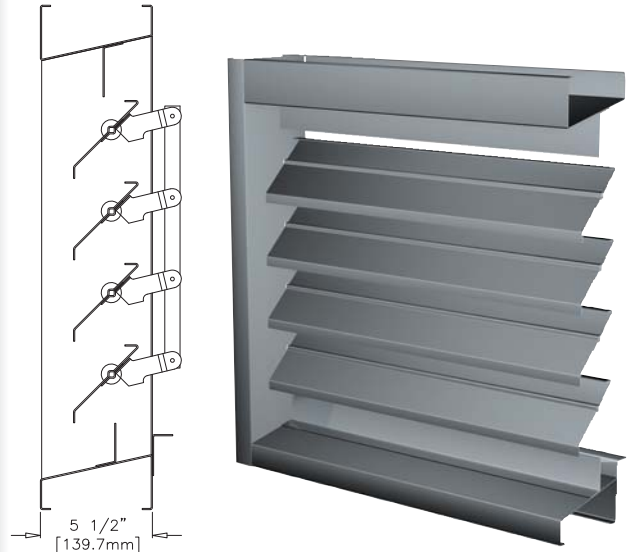


FABRICATED METAL ADJUSTABLE BLADE LOUVER

Visible Mullion Louver Type	625
Material	Galvanized Steel
Adjustable Blade	16 gauge
Frame	16 gauge
Louver Depth	5 1/2 in. (139.7 mm)
Blade Angle	90°
Free Area – 4 ft. x 4 ft. Unit	10.98 sq. ft. (1.02 m ²)
Percent Free Area	68.6%
Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H₂O/sq. ft. Free Area	not rated
Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit	not rated
Pressure Drop at Beginning Point of Water Penetration	not rated



RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules counter-balanced, adjustable blade Louver Type 625 as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Louvers shall be furnished with bird screen, insect screen, electric or pneumatic actuators, supports and finishes as specified and as required for a complete installation.

SUBMITTALS

Manufacturer shall submit shop drawings incorporating key plans, elevations, sections and details showing profiles, angles and spacing of louver blades and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. Provide samples of manufacturer's finish and color charts showing the full range of colors available. For each type of product specified, submit free area, air performance, and water penetration ratings determined in accordance with AMCA Standard 500-L.

PRODUCTS

Louvers shall incorporate counter-balance adjustable blades in a single frame. Louvers shall be 5-1/2-inches (139.7 mm) deep and assembled entirely from galvanized steel (or aluminum, alloy 3003-H34). Blades and frames shall be 16 gauge galvanized steel or equivalent. When fully-opened, adjustable blades shall be positioned at 90-degrees and spaced 4-inches (101.6 mm) on center. The blade linkage assembly shall be fully-enclosed at the interior of the louver to enable easy-adjustment of the counter-balance weight bars.

ALL-WELDED ASSEMBLY

Join frame members with continuous fillet welds concealed from view, unless the size of the louver makes bolted connections between louver sections necessary. Louver frames shall be joined at each corner with a continuous fillet weld produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process with a minimum 1/8-inch (3.175 mm) leg.

STRUCTURAL DESIGN CRITERIA

Louvers and any supports required shall be designed and furnished by the manufacturer to withstand a wind force of not less than 25 pounds per square foot. Louvers larger than 48-inches wide x 72-inches high will be fabricated and installed in multiple sections. Louver blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

FREE AREA:	10.98 Square Feet (1.02 m ²)
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	not rated
MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:	not rated
MAXIMUM STATIC PRESSURE at Beginning Point of Water Penetration:	not rated

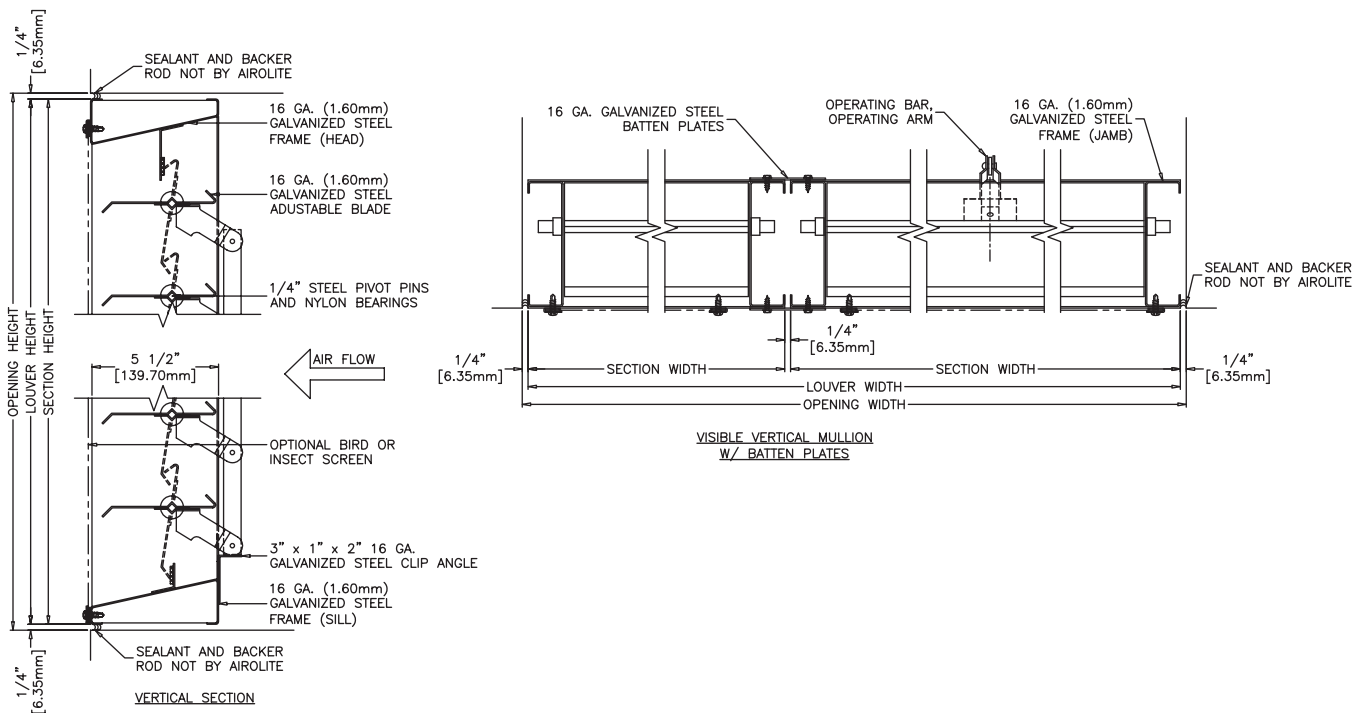
See page 4 for complete finish options

LOUVER TYPE 625 PRODUCT DESCRIPTION & DETAILS

Airolite Louver Type 625 is a 5-1/2-inch deep, fabricated metal, counter-balanced, adjustable louver designed to permit simple field adjustments to accommodate operation of the adjustable blades at a wide range of operating pressures. The static pressure differential at which the louver opens or closes is affected by the number of weight bars mounted to the exposed operator bar located on the interior of the louver. Field adjustments are made quickly and easily in the field to fit each application requirement. Louver Type 625 is typically fabricated from galvanized steel or aluminum. An exterior stationary louver should always be used in combination with Louver Type 625 where weather protection is a concern. Please contact your local Airolite representative or the factory for assistance with the layout and design of operator and support systems when required.

VERTICAL SECTION DETAIL

PLAN SECTION DETAIL



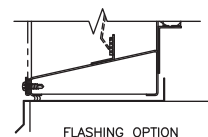
Minimum Section Size:

12 in. (30 cm) W x 12 in. (30 cm) H

Maximum Section Size:

48 in. (122 cm) W x 72 in. (183 cm) H

ACCESSORY ITEM



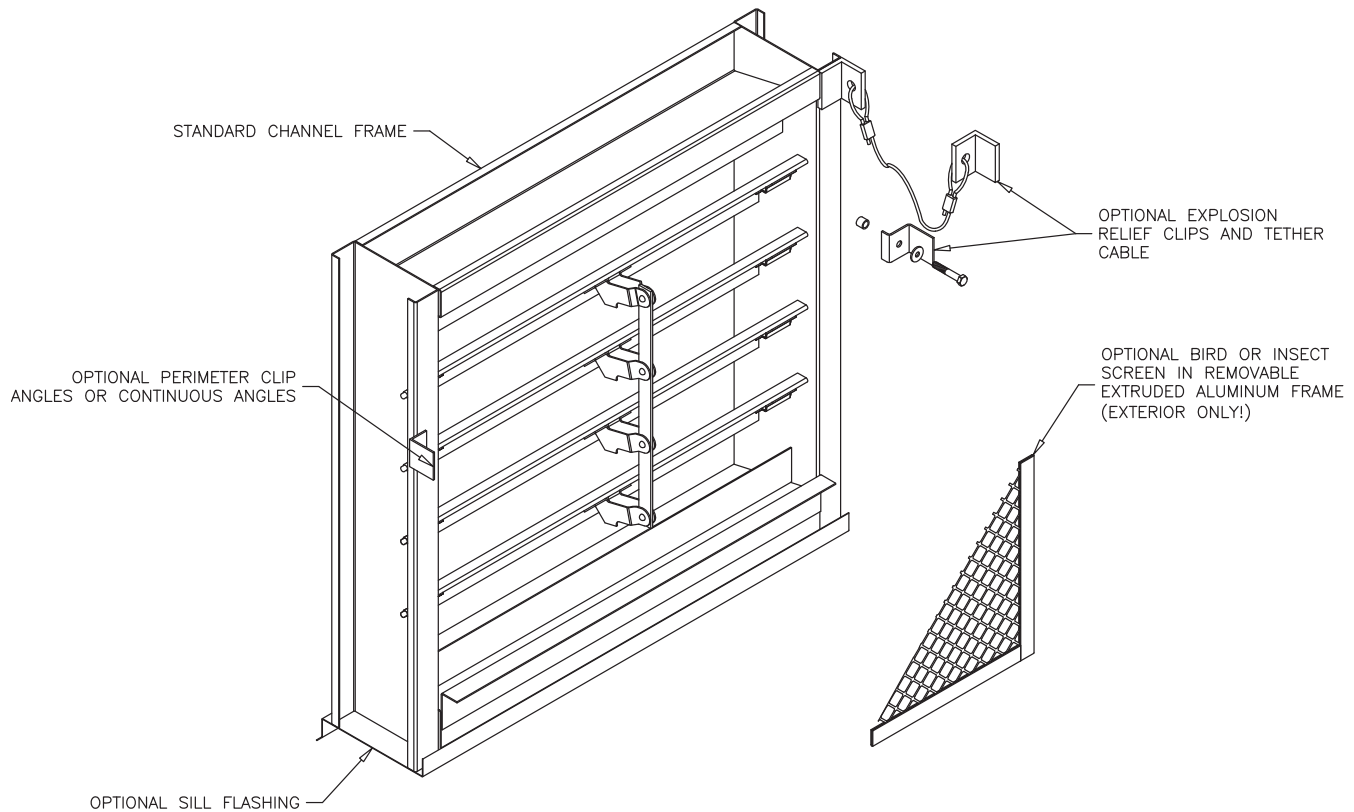
LOUVER TYPE 625 PERFORMANCE RATINGS

FREE AREA CHART - in square feet

Louver Height Inches	Louver Width in Inches			
	12	24	36	48
12	0.20	0.44	0.68	0.92
24	0.93	2.04	3.16	4.27
36	1.66	3.65	5.64	7.63
48	2.39	5.25	8.12	10.98
60	3.12	6.86	10.60	14.34
72	3.85	8.46	13.07	17.69

Performance data intentionally left blank.

LOUVER TYPE 625 METHOD OF INSTALLATION & ACCESSORY OPTIONS



FINISHES (Select one of the following)

ACRYLIC ENAMEL: Louvers shall be cleaned, pretreated and Finished with an oven-cured thermosetting acrylic enamel finish that meets or exceeds the performance requirements of AAMA 2603, "Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings."

2-COAT FLUOROPOLYMER: Louvers shall be cleaned, pretreated and Finished with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating with minimum 1.2 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels."

3-COAT FLUOROPOLYMER: Louvers shall be cleaned, pretreated and Finished with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating with minimum 2.0 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels."



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THE ALL-WELDED ADVANTAGE 