



EXTRUDED ALUMINUM NARROW PROFILE LOUVER

Visible Mullion Louver Type	K6772
Material	Extruded Aluminum (Alloy 6063-T5)
Stationary Blade	0.063 in. (1.6 mm)
Frame	0.063 in. (1.6 mm)
Louver Depth2 in. (50.8 mm)
Blade Angle45°
Free Area – 4 ft. x 4 ft. Unit	8.76 sq. ft. (0.81 sq m)
Percent Free Area	54.8%
Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H₂O/sq. ft. Free Area	858 fpm (4.36 m/s)
Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit	7,514 cfm (3.55 m ³ /s)
Pressure Drop at Beginning Point of Water Penetration	0.10 in. H ₂ O (0.025 kPa)



RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules drainable Louver Type K6772 as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin Louvers shall be furnished with bird screen, insect screen, supports, installation hardware 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 and air performance ratings shall be determined in accordance with AMCA Standard 500-L 99 and licensed under the AMCA Certified Ratings Program.

PRODUCTS

Louvers shall be drainable Louver Type K6772. Louvers shall be 2-inches (50.8 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.063-inch (1.6 mm) thick extruded aluminum, alloy 6063-T5. Blades shall be stationary, drainable and spaced 2-inches (50.8 mm) on center.

OPTIONAL WELDED ASSEMBLY

Join stationary blade, head, sill and jamb frames with fillet welds concealed from view, unless the size of the louver makes bolted connections between louver sections necessary. Louver blades shall be joined to each jamb frame with a minimum of one fillet welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process.

STRUCTURAL DESIGN CRITERIA

Maximum single section size for model K6772 is 120-inches wide x 120-inches high (one dimension less than 72 inches). Larger openings require field assembly of multiple louver sections to make up the overall opening size. Individual louver sections are designed to withstand a 25 PSF wind load (please consult Airolite if the louvers must withstand higher wind-loads). Structural reinforcing members may be required to adequately support and install multiple louver sections within a large opening. Structural reinforcing members along with any associated installation hardware is not provided by Airolite unless indicated otherwise by Airolite. Options and accessories including, but not limited to, screens, filter racks, louver doors, and blank off panels are not subject to structural analysis unless indicated otherwise by Airolite. Additional information on louver installation may be found in AMCA Publication #501, Louver Application Manual.

PERFORMANCE RATINGS

FREE AREA:	8.76 Square Feet (0.81 m ²)
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	858 fpm (4.36 m/s)
MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:	7,514 cfm (3.55 m ³ /s)
PRESSURE DROP at Beginning Point of Water Penetration:	0.10 in. H ₂ O (0.025 kPa)

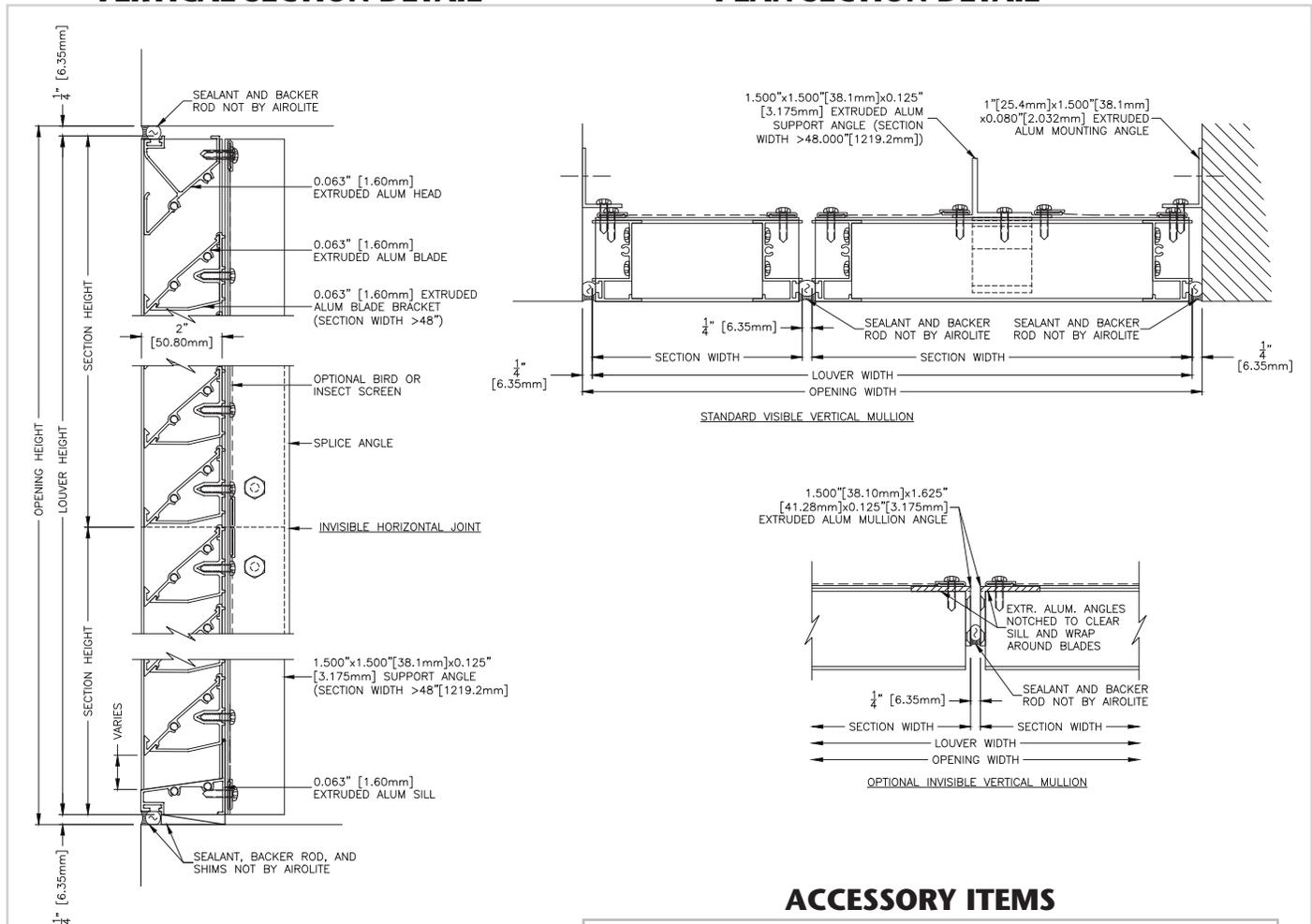
See page 4 for complete finish options

LOUVER TYPE K6772 PRODUCT DESCRIPTION & DETAILS

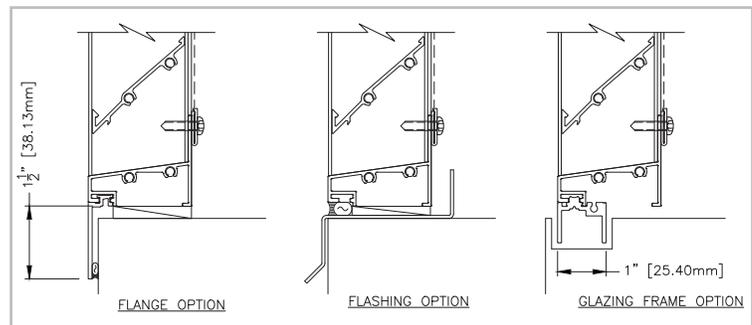
AIROLITE LOUVER TYPE K6772 is a 2-inch (50.8 mm) deep drainable louver suitable for applications with narrow or short openings that require greater free area than a four or six-inch deep louver can provide. Drainable louvers are characterized by gutters incorporated in the blades to prevent water droplets from cascading from blade-to-blade and becoming entrained in the intake air stream. Vertical gutters located in the jamb frames drain water from the blade gutters and direct moisture to the sill frame where it exits through the space between the sill frame and bottom blade. Airolite Louver Type K6772 is an efficient louver with AMCA Licensed air performance and water penetration ratings that enable designers to select and specify this product with confidence. Please contact your local Airolite representative or the factory for assistance with the layout and design of support systems when required.

VERTICAL SECTION DETAIL

PLAN SECTION DETAIL



ACCESSORY ITEMS



Minimum Section Size:

6 in. (15 cm) W x 6 in. (15 cm) H

Maximum Section Size:

120 in. (305 cm) W x 120 in. (305 cm) H

**one dimension to be less than 72 inches.*

LOUVER TYPE K6772 PERFORMANCE RATINGS

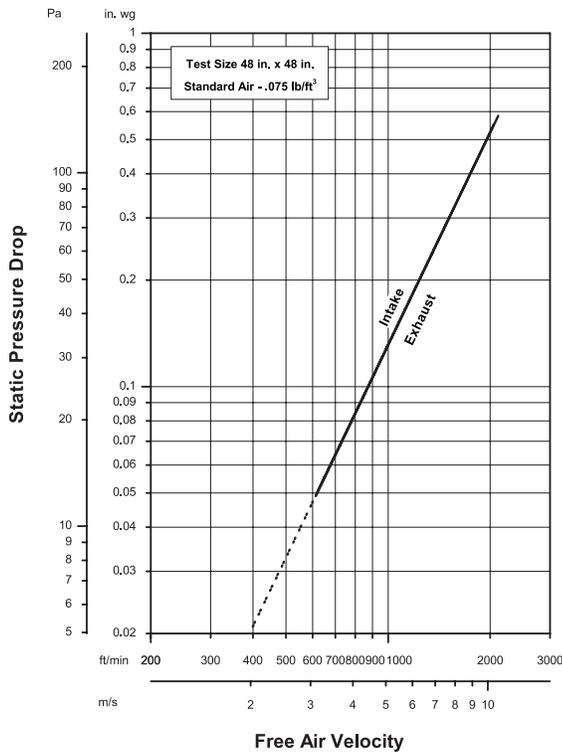
FREE AREA CHART - in square feet

Louver Height Inches	Louver Width in Inches										
	6	12	24	36	48	60	72	84	96	108	120
6	0.05	0.14	0.31	0.48	0.66	0.81	0.96	1.13	1.31	1.46	1.63
12	0.14	0.38	0.86	1.34	1.81	2.23	2.65	3.13	3.61	4.03	4.51
24	0.32	0.86	1.95	3.04	4.13	5.08	6.04	7.12	8.21	9.17	10.26
36	0.50	1.35	3.05	4.74	6.44	7.93	9.42	11.12	12.82	14.31	16.01
48	0.67	1.83	4.14	6.45	8.76	10.78	12.80	15.11	17.42	19.45	21.76
60	0.85	2.31	5.23	8.15	11.08	13.63	16.19	19.11	22.03	24.58	27.51
72	1.03	2.80	6.33	9.86	13.39	16.48	19.57	23.10	26.63	29.72	33.26
84	1.21	3.28	7.42	11.56	15.71	19.33	22.95				
96	1.39	3.76	8.52	13.27	18.02	22.18	26.34				
108	1.56	4.25	9.61	14.97	20.34	25.03	29.72				
120	1.74	4.73	10.70	16.68	22.65	27.88	33.11				



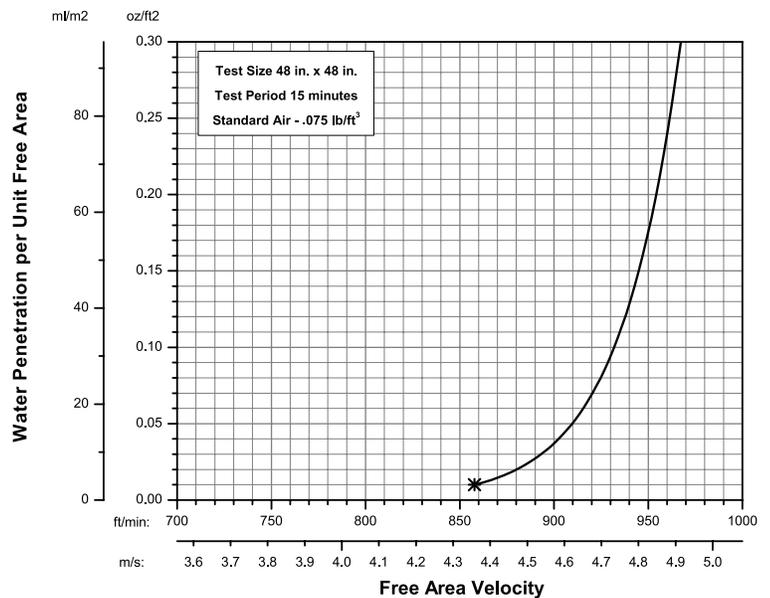
The Airlite Company, LLC certifies that Louver Type K6772 shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies only to Air Performance and Water Penetration ratings.

AIRFLOW RESISTANCE (Standard Air - .075 lb./ft.³)



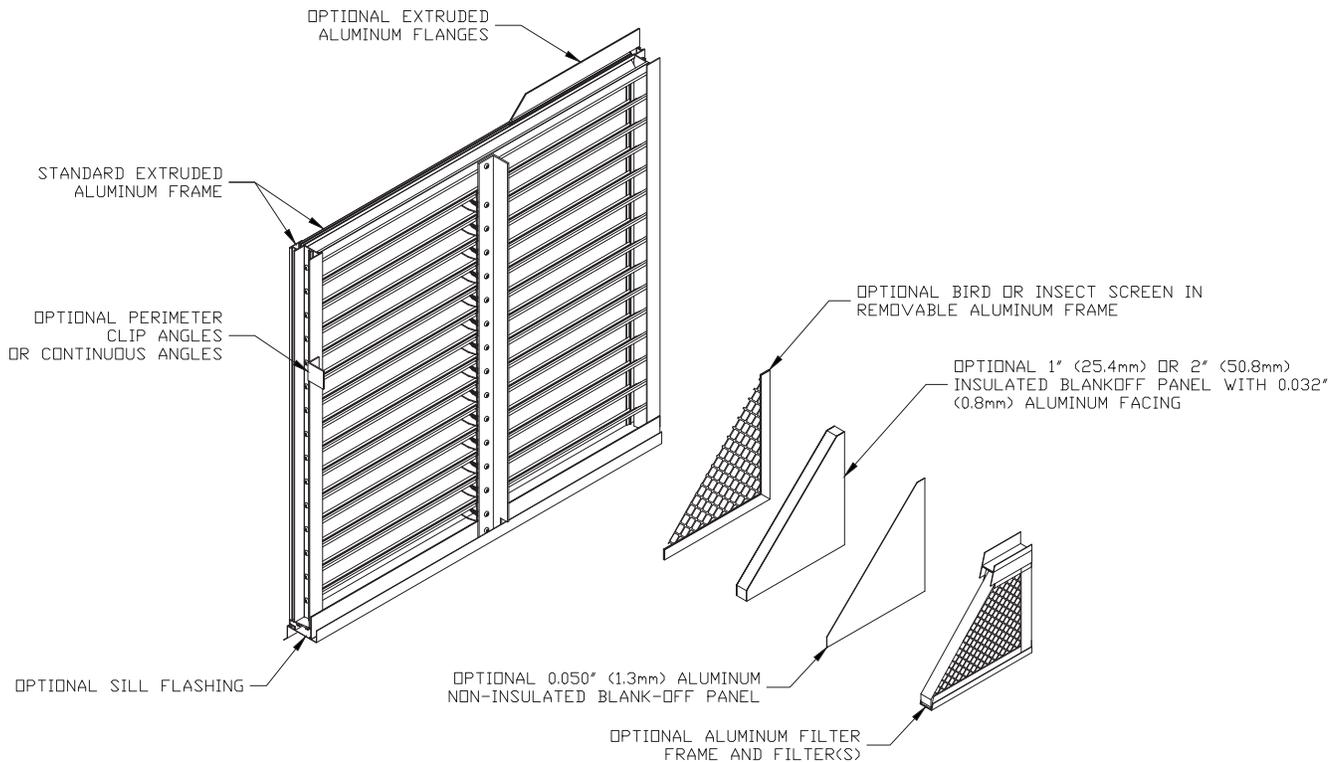
Louver Type K6772 resistance to airflow (pressure drop) varies depending on louver application (air intake or air exhaust). Free area velocities (shown) are higher than average velocity through the overall louver size. (Test Figure: 5.5-6.5)

WATER PENETRATION (Standard Air - .075 lb./ft.³)



The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The point of zero water penetration is defined as that velocity where the water penetration curve projects through .01 oz. of water (penetration) per sq. ft. of louver free area. ***The beginning point of water penetration for Louver Type K6772 is 858 fpm free area velocity.** These performance ratings do not guarantee a louver to be weather-proof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.

LOUVER TYPE K6772 METHOD OF INSTALLATION & ACCESSORY OPTIONS



FINISHES

Finish Type	Description/Application	Color Selection	Standard Warranty (Aluminum)
AAMA 2605 100% Fluoropolymer (FEVE) 2-Coat 70% Kynar® (PVDF) 3-Coat 70% Kynar® (PVDF)	"Best." The premier finish for extruded aluminum. Tough, long-lasting coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	Standard Colors: Any of the 27 standard colors shown can be furnished in 70% or 50% Kynar®, 100% Fluoropolymer or Baked Enamel. Mica Colors: Airlite offers 6 standard Mica colors for 70% Kynar® or 100% Fluoropolymer. Custom Colors: Custom color matching is available. Consult your Airlite representative for cost and/or lead-time implications if a custom color is required.	10 Years (20 Years Optional)
AAMA 2603 Baked Enamel	"Good." Provides good adhesion and resistance to weathering, corrosion and chemical stain.		1 Year
Prime Coat	Louvers or architectural products shall be cleaned, pre-treated and receive a prime coat finish suitable for field painting. Airlite does not recommend prime coat or field painting of materials.		n/a
Mill	Materials may be supplied in natural aluminum or galvanized steel finish when normal weathering is acceptable and there is no concern for color or color change.		n/a

Finishes meet or exceed AAMA 2605, AAMA 2604, and AAMA 2603 requirements. Please consult www.airlite.com for complete information on standard and extended paint warranties. Paint finish warranties are not applicable to steel products.



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