
K6772 - RECOMMENDED SPECIFICATION**GENERAL**

Furnish and install where indicated on plans or described in schedules drainable Louver Type K6772 as designed and manufactured by The Aiolite 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

Manufacturer shall design and furnish all supports required to withstand a wind force of not less than 25 pounds per square foot. Louvers larger than 120-inches wide x 120-inches high (one dimension less than 72 inches) 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: 8.67 Square Feet (0.81 m²)

MINIMUM FREE AREA VELOCITY

at Beginning Point of Water Penetration: 973 fpm (4.94 m/s)

MINIMUM AIR VOLUME FLOW RATE

at Beginning Point of Water Penetration: 8,433 cfm (3.98 m³/s)

PRESSURE DROP

at Beginning Point of Water Penetration: 0.12 in. H₂O (0.030 kPa)