
K6746HP - RECOMMENDED SPECIFICATION**GENERAL**

Furnish and install where indicated on plans or described in schedules drainable Louver Type K6746HP 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 and licensed under the AMCA Certified Ratings Program.

PRODUCTS

Louvers shall be drainable Louver Type K6746HP with visible vertical mullions. Louvers shall be 6-inches (153 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.081-inch (2.0 mm) thick extruded aluminum, alloy 6005-T5 & 6063-T5. Blades shall be stationary, incorporate drainable gutters, and be spaced 4.25-inches (108 mm) on center. Jamb frames shall incorporate drainable gutters to ensure resistance to water penetration.

OPTIONAL WELDED ASSEMBLY

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

STRUCTURAL DESIGN CRITERIA

Maximum single section size for model K6746HP is 48 in. wide x 48 in. high. The K6746HP is only available in a single section configuration in both width and height. For openings larger than 48 in. W x 48 in. H, consider using similar model K6746. Individual louver sections are designed to withstand a 25 PSF wind load (please consult Aiolite if the louvers must withstand higher wind-loads). Installation hardware is not provided by Aiolite unless indicated otherwise by Aiolite. Options and accessories including, but not limited to, screens, filter racks, and blank off panels are not subject to structural analysis unless indicated otherwise by Aiolite. Additional information on louver installation may be found in AMCA Publication #501, Louver Application Manual.

PERFORMANCE RATINGS

FREE AREA:	9.84 Square Feet (0.91 m ²)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	910 fpm (4.62 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	8,956 cfm (4.23 m ³ /s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.126 in. H ₂ O (0.031 kPa)