

## **KX827 - RECOMMENDED SPECIFICATION**

### **GENERAL**

Furnish and install where indicated on plans or described in schedules Combination Stationary and Adjustable Blade Gravity-Operated Louver Type KX827 as designed and manufactured by The AiroLite Company LLC, Marietta, Ohio. Louvers shall be furnished with bird screen, insect screen, 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.

### **PRODUCTS**

Louvers shall be gravity-operated combination louvers designed for exhaust air applications and incorporate both stationary and adjustable blades in a single frame. Louvers shall be 4-inches (101.6 mm) deep and assembled entirely from extruded aluminum. Stationary blades and frames shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6063-T5. Adjustable blades shall be 0.063-inch (1.6 mm) extruded aluminum, alloy 6063-T5. The louver head and each jamb frame shall incorporate integral gutters to minimize water penetration. Stationary blades shall be positioned at 45-degrees and spaced 4.5-inches (114.3 mm) on center. Adjustable blades shall be fitted with dual-durometer vinyl blade-edge gaskets to result in low-air leakage when the adjustable blade is closed.

### **STRUCTURAL DESIGN CRITERIA**

Louvers and any supports shall be designed and furnished by the manufacturer to withstand a wind force of not less than 25 pounds per square foot (100 mph). Louvers larger than 60-inches (152 cm) wide x 120-inches (305 cm) 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:	6.39 Square Feet (0.59 m <sup>2</sup> )
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	N/A
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	N/A
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	N/A