

## 625 - 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 Airlite 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 <sup>2</sup> )
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