ELM6375X ADJUSTABLE LOUVER
EXTRUDED ALUMINUM

STANDARD CONSTRUCTION

FRAME
6" (152) deep, 6063T6 extruded aluminum with .080" (2.03) nominal wall thickness. Caulking surfaces provided.

BLADES
6063T6 extruded aluminum. DOH (.03) nominal wall thickness are adjustable to 37 1/2° angle. Blade spacing is approximately 6" (152) center to center.

SCREEN
3/4" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

SEALS
Extruded vinyl blade seals
Tin jamb seals

BEARINGS
Stainless steel sleeve pressed into frame.

AXLES
1/2" (13) plated steel hex.

FINISH
Mill.

LINKAGE
Concealed in frame.

ACTUATOR
Locking louver quadrant.

MINIMUM SIZE
12" w x 12" h (305 x 305).

APPROXIMATE SHIPPING WEIGHT
3.5 lbs. per sq. ft.

MAXIMUM FACTORY ASSEMBLY SIZE
Shall be 60" w x 120" h (1524 x 3048). Louvers with optional blade and jamb seals shall be 48" w x 96" h (1219 x 2438). Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

FEATURES
• 55% Free Area
• Published performance ratings based on testing in accordance with AMCA Publication 511
• Low torque operation and architecturally pleasing appearance with low leakage performance.
• Drain gutter in the head frame; downspouts in jamb and mullions to drain water from louver for minimum water cascade from blade to blade.
• Concealed blade linkage is protected from weather exposure and reduces required installation depth.
• Blade and jamb seals provide tight closure

VARIATIONS
Variations to the basic design of this louver are available at additional cost. They include:
• Extended sill.
• Front or rear security bars.
• Filter racks.
• A variety of bird and insect screens.
• Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Alodize, PVDF, clear and color anodize. (Some variation in anodize color consistency is possible.)
• Blade edge and jamb seals.
• Manual, electric or pneumatic actuators. Consult Ruskin for other special requirements.

FRAME CONSTRUCTION

STANDARD

INTEGRAL FLANGE

Dimensions in inches, parenthesis ( ) indicate millimeters.
PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carry-over, design with a performance level somewhat below maximum desired pressure drop and .01 oz. sq. ft. of water penetration.

Ruskin Manufacturing Company certifies that the ELM6375XLouveres shown herein are licensed to bear the AMCA Seal. The AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings only.

WATER PENETRATION

Test size 48” wide x 48” high (1219 x 1219)
Beginning point of water penetration at .01 oz./sq. ft. is 801 fpm (244 m/min).

PRESSURE DROP

Free Area Velocity in feet and (meters) per minute
Standard air .075 lb/ft³

Free Area Guide shows free area in ft² and m² for various sizes of ELM6375X.

Width – Inches and Meters

Leakage at 1” w.g. (248.9) static pressure drop is 8.3 CFM per ft² and (m²)

Louver tested for air leakage with jamb seals and optional blade seals.

FREE AREA GUIDE

Air Velocity in feet and (meters) per minute through Free Area

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