LSA6DD42 DRAINABLE STATIONARY LOUVER
EXTRUDED ALUMINUM

STANDARD CONSTRUCTION

FRAME
6" (152) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. Downspouts and caulking surfaces provided.

BLADES
6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. Double drainable blades positioned at 42½" angle and spaced at approximately 5" (127) center to center.

SCREEN
¾" x .051" (19 x 1.3) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately ½" (13) to louver depth.

FINISH
Mill.

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

APPROXIMATE SHIPPING WEIGHT
8 lbs. per sq. ft. (39.1 per m²).

MAXIMUM FACTORY ASSEMBLY SIZE
Shall be 60 sq. ft. (6m²) per section, not to exceed 120"w x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048).

Louvres larger than the maximum factory assembly size will require field assembly of smaller sections.

SUPPORTS
Louvres may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.

Consult Airline for additional information.

FEATURES

The LSA6DD42 offers:
- Drainable louver performance with continuous blade construction.
- Recessed vertical drain mullions that do not interrupt exterior blade appearance.
- Drainable blades with recessed gutters for collection and removal of rain and a smooth exterior surface providing a clean, architectural look.
- 51% free area, beginning water penetration at 852 fpm free area velocity with .09" (2.29) pressure drop.
- AMCA licensed performance.
- Extruded aluminum construction for low maintenance and high resistance to corrosion.

VARIATIONS

Variations to the basic design of the louver are available at additional cost. They include:
- Extended sill.
- Hinged frame.
- Front or rear security bars.
- Filter racks.
- A variety of bird and insect screens.
- Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Acrodize, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible.)

Consult Airline for other special requirements.

FRAME CONSTRUCTION

Dimensions in inches, parenthesis ( ) indicate millimeters.

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LISTED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION. ©2006 Nystrom Building Products
SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary type with downspouts in jambs and mullions. Louvers shall have a minimum of 50% free area based on a 48"w x 48"h (1219 x 1219) size. Stationary blades shall be contained within a 6" (152) frame. Louver components (heads, jambs, sills, blades & mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (.96kPa) (equivalent of a 90 mph wind [145 KPH] - specifier may substitute any loading required).

Louvers shall be Airline Model LSA6DD42.
Frame: 6" (152) deep, .081" (2.1) wall thickness.
Blades: .081" (2.1) wall thickness at 42°15' angle and spaced approximately 5" (127) centers.
Screen: 3/4" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.
Finish: Select finish specification from Airline Finishes Brochure.

Published louver performance data bearing the AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the Airline model specified.

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 carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.

WATER PENETRATION
Test size 48" wide x 48" high (1219 x 1219)
Beginning point of water penetration at .01 oz./sq. ft. is 852 fpm (260 m/min).

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

LSA6DD42
MARCH 2011
FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of LSA6DD42.

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### PRESSURE DROP

[Diagram showing pressure drop and ratings for bird screen]

Ratings do not include the effect of a bird screen.

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**Static Pressure Drop in Inches w.g. (mm)**

- **.01 (25.40)**
- **.06 (15.24)**
- **.10 (25.40)**
- **.15 (38.10)**
- **.20 (50.80)**
- **.25 (63.50)**
- **.30 (76.20)**
- **.35 (88.90)**
- **.40 (101.60)**
- **.45 (114.30)**
- **.50 (127.00)**
- **.55 (139.70)**
- **.60 (152.40)**

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

**LSA6DD42**

**MARCH 2011**