

AIRLINE

LOUVERS
A NYSTROM BUILDING PRODUCTS COMPANY

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LSA6D35S DRAINABLE STATIONARY LOUVER EXTRUDED ALUMINUM

STANDARD CONSTRUCTION

FRAME

6" (152) deep, 6063T5 extruded aluminum with .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.

BLADES

6063T5 extruded aluminum with .081" (2.1) nominal wall thickness. Drainable blades are positioned at 35° angle and spaced approximately 4" (102) 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.

FINISH

Mill.

MINIMUM SIZE

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

APPROXIMATE SHIPPING WEIGHT

6 lbs. per sq. ft. (29.3 kg per m²).

MAXIMUM FACTORY ASSEMBLY SIZE

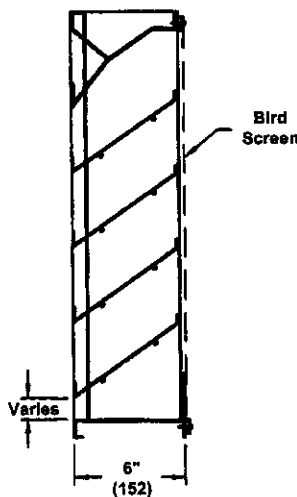
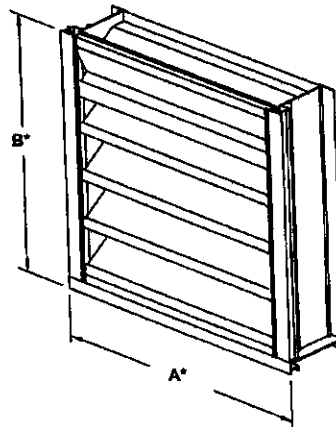
Shall be 75 sq. ft. (7m²) per section, not to exceed 120"w x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048).

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

SUPPORTS

Louvers 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 LSA6D35S offers:

- 58% Free Area.
- Beginning point of water penetration above 1,250 fpm free area velocity.
- Published performance ratings based on testing in accordance with AMCA Publication 511.
- High performance frame system with drainable head collects and removes water to provide excellent water penetration performance.
- Drain gutter in each blade minimizes water cascade between blades.
- Continuous blades up to 120" (3048).
- All aluminum construction for low maintenance and high resistance to corrosion.

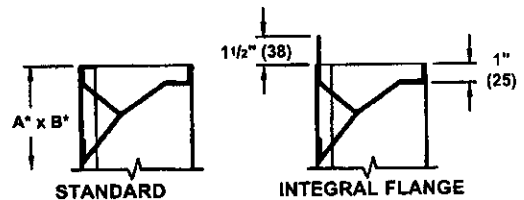
VARIATIONS

Variations to the basic design of this 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, Pearledize 50 & 70, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible).

Consult Airline for other special requirements.

FRAME CONSTRUCTION



Dimensions in parenthesis () indicate millimeters.

*Units furnished 1/4" (6) smaller than given opening dimensions.

| TAG | QTY. | SIZE | | FRAME | VARIATIONS |
|------------------------------------|------|---------|---------|--------------------------|------------|
| | | A*-WIDE | B*-HIGH | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| PROJECT ARCH./ENGR. REPRESENTATIVE | | | | LOCATION CONTRACTOR DATE | |

LSA6D35S
JUNE 2009

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.

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SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary drainable type with drain gutters in each blade and downspouts in jambs and mullions. Louvers shall have a minimum of 58% free area based on a 48" wide x 48" high (1219 x 1219) size. Stationary drainable 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 limit span between visible mullions to 10 feet (3) and 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 LSA6D35S extruded 6063T5 aluminum alloy construction as follows:

- Frame: 6" (152) deep, LSA6D35S- .125" (3.2) wall thickness.
- Blades: LSA6D35S .081" (2.1) wall thickness. Drainable blades positioned at 37 1/2° angle and spaced approximately 4" (102) center to center.
- 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

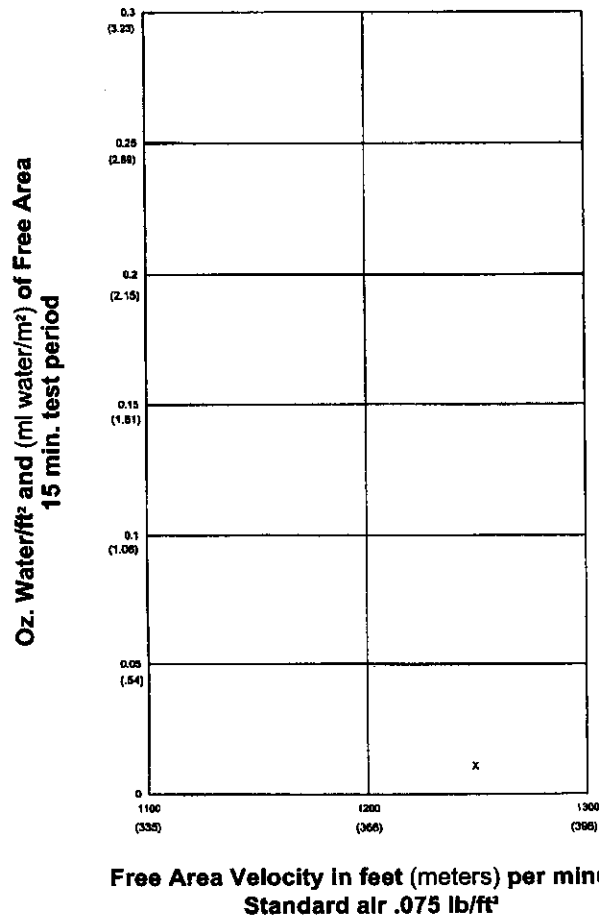
AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carry-over, design with a performance level somewhat below maximum desired pressure drop and .01 oz. 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 1250 fpm (381 m/min).



FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of LSA6D35S.

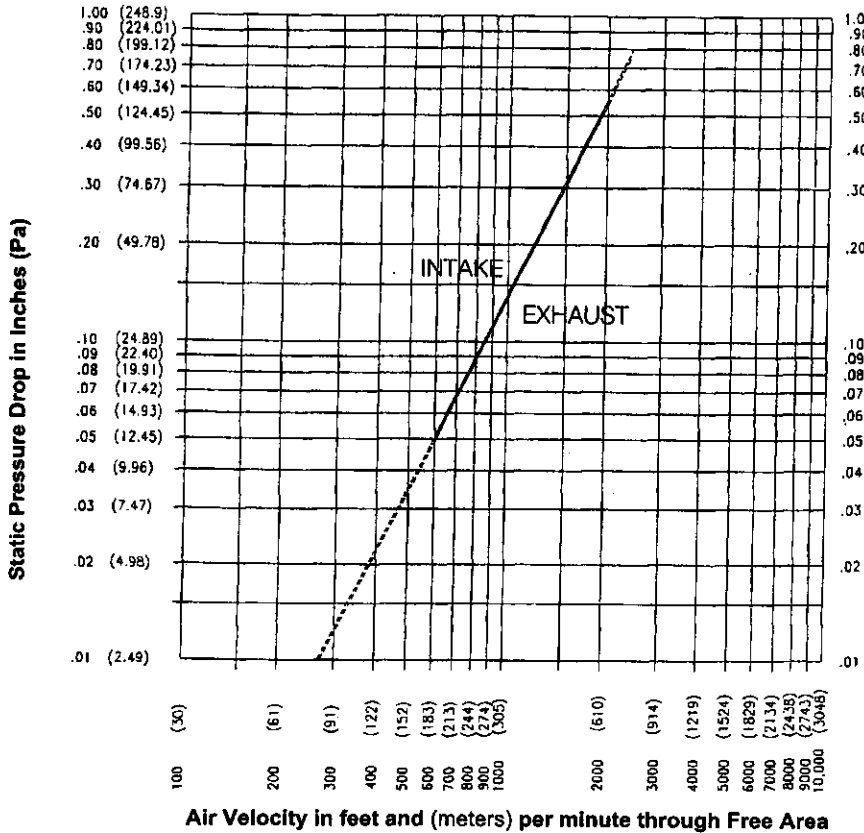
Width – Inches and Meters

| Height – Inches and Meters | 12 | | 18 | | 24 | | 30 | | 36 | | 42 | | 48 | | 54 | | 60 | | 66 | | 72 | | 78 | | 84 | | 90 | | 96 | | 102 | | 108 | | 114 | | 120 | | |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0.30 | 0.46 | 0.61 | 0.76 | 0.91 | 1.07 | 1.22 | 1.37 | 1.52 | 1.68 | 1.83 | 1.98 | 2.13 | 2.29 | 2.44 | 2.59 | 2.74 | 2.90 | 3.05 | 3.21 | 3.36 | 3.52 | 3.67 | 3.83 | 3.98 | 4.14 | 4.29 | 4.44 | 4.60 | 4.75 | 4.91 | 5.06 | 5.21 | 5.37 | 5.52 | 5.67 | 5.83 | | |
| 12 | 0.33 | 0.49 | 0.64 | 0.79 | 0.94 | 1.09 | 1.24 | 1.39 | 1.54 | 1.69 | 1.84 | 1.99 | 2.14 | 2.29 | 2.44 | 2.59 | 2.74 | 2.89 | 3.04 | 3.19 | 3.34 | 3.49 | 3.64 | 3.79 | 3.94 | 4.09 | 4.24 | 4.39 | 4.54 | 4.69 | 4.84 | 4.99 | 5.14 | 5.29 | 5.44 | 5.59 | 5.74 | 5.89 | 6.04 |
| 18 | 0.39 | 0.54 | 0.69 | 0.84 | 0.99 | 1.14 | 1.29 | 1.44 | 1.59 | 1.74 | 1.89 | 2.04 | 2.19 | 2.34 | 2.49 | 2.64 | 2.79 | 2.94 | 3.09 | 3.24 | 3.39 | 3.54 | 3.69 | 3.84 | 3.99 | 4.14 | 4.29 | 4.44 | 4.59 | 4.74 | 4.89 | 5.04 | 5.19 | 5.34 | 5.49 | 5.64 | 5.79 | 5.94 | 6.09 |
| 24 | 0.46 | 0.61 | 0.76 | 0.91 | 1.06 | 1.21 | 1.36 | 1.51 | 1.66 | 1.81 | 1.96 | 2.11 | 2.26 | 2.41 | 2.56 | 2.71 | 2.86 | 3.01 | 3.16 | 3.31 | 3.46 | 3.61 | 3.76 | 3.91 | 4.06 | 4.21 | 4.36 | 4.51 | 4.66 | 4.81 | 4.96 | 5.11 | 5.26 | 5.41 | 5.56 | 5.71 | 5.86 | 6.01 | 6.16 |
| 30 | 0.51 | 0.66 | 0.81 | 0.96 | 1.11 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | 2.16 | 2.31 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.11 | 4.26 | 4.41 | 4.56 | 4.71 | 4.86 | 5.01 | 5.16 | 5.31 | 5.46 | 5.61 | 5.76 | 5.91 | 6.06 | 6.21 |
| 36 | 0.56 | 0.71 | 0.86 | 1.01 | 1.16 | 1.31 | 1.46 | 1.61 | 1.76 | 1.91 | 2.06 | 2.21 | 2.36 | 2.51 | 2.66 | 2.81 | 2.96 | 3.11 | 3.26 | 3.41 | 3.56 | 3.71 | 3.86 | 4.01 | 4.16 | 4.31 | 4.46 | 4.61 | 4.76 | 4.91 | 5.06 | 5.21 | 5.36 | 5.51 | 5.66 | 5.81 | 5.96 | 6.11 | 6.26 |
| 42 | 0.61 | 0.76 | 0.91 | 1.06 | 1.21 | 1.36 | 1.51 | 1.66 | 1.81 | 1.96 | 2.11 | 2.26 | 2.41 | 2.56 | 2.71 | 2.86 | 3.01 | 3.16 | 3.31 | 3.46 | 3.61 | 3.76 | 3.91 | 4.06 | 4.21 | 4.36 | 4.51 | 4.66 | 4.81 | 4.96 | 5.11 | 5.26 | 5.41 | 5.56 | 5.71 | 5.86 | 6.01 | 6.16 | 6.31 |
| 48 | 0.66 | 0.81 | 0.96 | 1.11 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | 2.16 | 2.31 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.11 | 4.26 | 4.41 | 4.56 | 4.71 | 4.86 | 5.01 | 5.16 | 5.31 | 5.46 | 5.61 | 5.76 | 5.91 | 6.06 | 6.21 | 6.36 |
| 54 | 0.71 | 0.86 | 1.01 | 1.16 | 1.31 | 1.46 | 1.61 | 1.76 | 1.91 | 2.06 | 2.21 | 2.36 | 2.51 | 2.66 | 2.81 | 2.96 | 3.11 | 3.26 | 3.41 | 3.56 | 3.71 | 3.86 | 4.01 | 4.16 | 4.31 | 4.46 | 4.61 | 4.76 | 4.91 | 5.06 | 5.21 | 5.36 | 5.51 | 5.66 | 5.81 | 5.96 | 6.11 | 6.26 | 6.41 |
| 60 | 0.76 | 0.91 | 1.06 | 1.21 | 1.36 | 1.51 | 1.66 | 1.81 | 1.96 | 2.11 | 2.26 | 2.41 | 2.56 | 2.71 | 2.86 | 3.01 | 3.16 | 3.31 | 3.46 | 3.61 | 3.76 | 3.91 | 4.06 | 4.21 | 4.36 | 4.51 | 4.66 | 4.81 | 4.96 | 5.11 | 5.26 | 5.41 | 5.56 | 5.71 | 5.86 | 6.01 | 6.16 | 6.31 | 6.46 |
| 66 | 0.81 | 0.96 | 1.11 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | 2.16 | 2.31 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.11 | 4.26 | 4.41 | 4.56 | 4.71 | 4.86 | 5.01 | 5.16 | 5.31 | 5.46 | 5.61 | 5.76 | 5.91 | 6.06 | 6.21 | 6.36 | 6.51 |
| 72 | 0.86 | 1.01 | 1.16 | 1.31 | 1.46 | 1.61 | 1.76 | 1.91 | 2.06 | 2.21 | 2.36 | 2.51 | 2.66 | 2.81 | 2.96 | 3.11 | 3.26 | 3.41 | 3.56 | 3.71 | 3.86 | 4.01 | 4.16 | 4.31 | 4.46 | 4.61 | 4.76 | 4.91 | 5.06 | 5.21 | 5.36 | 5.51 | 5.66 | 5.81 | 5.96 | 6.11 | 6.26 | 6.41 | 6.56 |
| 78 | 0.91 | 1.06 | 1.21 | 1.36 | 1.51 | 1.66 | 1.81 | 1.96 | 2.11 | 2.26 | 2.41 | 2.56 | 2.71 | 2.86 | 3.01 | 3.16 | 3.31 | 3.46 | 3.61 | 3.76 | 3.91 | 4.06 | 4.21 | 4.36 | 4.51 | 4.66 | 4.81 | 4.96 | 5.11 | 5.26 | 5.41 | 5.56 | 5.71 | 5.86 | 6.01 | 6.16 | 6.31 | 6.46 | 6.61 |
| 84 | 0.96 | 1.11 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | 2.16 | 2.31 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.11 | 4.26 | 4.41 | 4.56 | 4.71 | 4.86 | 5.01 | 5.16 | 5.31 | 5.46 | 5.61 | 5.76 | 5.91 | 6.06 | 6.21 | 6.36 | 6.51 | 6.66 |
| 90 | 1.01 | 1.16 | 1.31 | 1.46 | 1.61 | 1.76 | 1.91 | 2.06 | 2.21 | 2.36 | 2.51 | 2.66 | 2.81 | 2.96 | 3.11 | 3.26 | 3.41 | 3.56 | 3.71 | 3.86 | 4.01 | 4.16 | 4.31 | 4.46 | 4.61 | 4.76 | 4.91 | 5.06 | 5.21 | 5.36 | 5.51 | 5.66 | 5.81 | 5.96 | 6.11 | 6.26 | 6.41 | 6.56 | 6.71 |
| 96 | 1.06 | 1.21 | 1.36 | 1.51 | 1.66 | 1.81 | 1.96 | 2.11 | 2.26 | 2.41 | 2.56 | 2.71 | 2.86 | 3.01 | 3.16 | 3.31 | 3.46 | 3.61 | 3.76 | 3.91 | 4.06 | 4.21 | 4.36 | 4.51 | 4.66 | 4.81 | 4.96 | 5.11 | 5.26 | 5.41 | 5.56 | 5.71 | 5.86 | 6.01 | 6.16 | 6.31 | 6.46 | 6.61 | 6.76 |
| 102 | 1.11 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | 2.16 | 2.31 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.11 | 4.26 | 4.41 | 4.56 | 4.71 | 4.86 | 5.01 | 5.16 | 5.31 | 5.46 | 5.61 | 5.76 | 5.91 | 6.06 | 6.21 | 6.36 | 6.51 | 6.66 | 6.81 |
| 108 | 1.16 | 1.31 | 1.46 | 1.61 | 1.76 | 1.91 | 2.06 | 2.21 | 2.36 | 2.51 | 2.66 | 2.81 | 2.96 | 3.11 | 3.26 | 3.41 | 3.56 | 3.71 | 3.86 | 4.01 | 4.16 | 4.31 | 4.46 | 4.61 | 4.76 | 4.91 | 5.06 | 5.21 | 5.36 | 5.51 | 5.66 | 5.81 | 5.96 | 6.11 | 6.26 | 6.41 | 6.56 | 6.71 | 6.86 |
| 114 | 1.21 | 1.36 | 1.51 | 1.66 | 1.81 | 1.96 | 2.11 | 2.26 | 2.41 | 2.56 | 2.71 | 2.86 | 3.01 | 3.16 | 3.31 | 3.46 | 3.61 | 3.76 | 3.91 | 4.06 | 4.21 | 4.36 | 4.51 | 4.66 | 4.81 | 4.96 | 5.11 | 5.26 | 5.41 | 5.56 | 5.71 | 5.86 | 6.01 | 6.16 | 6.31 | 6.46 | 6.61 | 6.76 | 6.91 |
| 120 | 1.26 | 1.41 | 1.56 | 1.71 | 1.86 | 2.01 | 2.16 | 2.31 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.11 | 4.26 | 4.41 | 4.56 | 4.71 | 4.86 | 5.01 | 5.16 | 5.31 | 5.46 | 5.61 | 5.76 | 5.91 | 6.06 | 6.21 | 6.36 | 6.51 | 6.66 | 6.81 | 6.96 |

PRESSURE DROP

Test size 48" x 48" (1219 x 1219)

Ratings do not include the effect of a bird screen.



Airline Louvers certifies that the LSA6D35S louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings only.