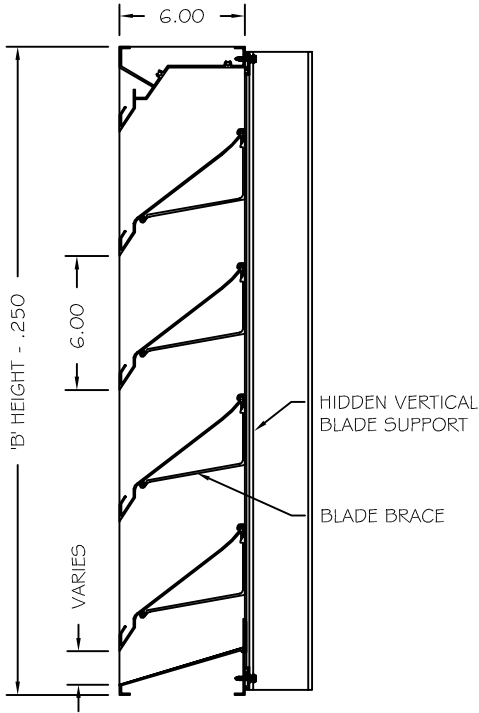


# AIRLINE LOUVERS

## LSA6D38

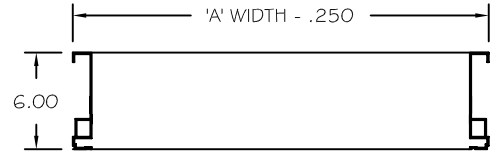
- 6.00" DEEP CHANNEL FRAME
- 37.5° ANGLE DRAINABLE BLADE
- EXTRUDED ALUMINUM 6063-T5 ALLOY
- MATERIAL THICKNESS - NOMINAL  
   .081" FRAME                      .081" BLADE
- 20 psf WINDLOAD
- STAINLESS STEEL HARDWARE
- FINISH:
  - CLEAR ANODIZED
  - BAKED ENAMEL
  - MILL ALUMINUM
  - COLOR ANODIZED
  - KYNAR 500
- SCREENS (OPTIONAL)  
   REF: SCREEN SUBMITTAL
- EXPOSED MULLION (AS REQUIRED):
- ONE PIECE CONSTRUCTION SIZE  
   MINIMUM: 12" x 12"  
   MAXIMUM: 120" x 90"  
   (SINGLE SECTION)



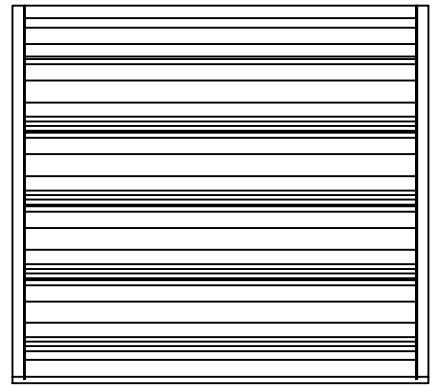
SECTION VIEW  
NOT TO SCALE



Airline LOUVERS certifies that the model LSA6D38 Louver shown heron is 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.



TOP VIEW  
NOT TO SCALE



FRONT VIEW  
NOT TO SCALE

LSA6D38

| ITEM | QTY | MODEL |        | WALL OPENING |            | OPTIONAL ACCESSORIES    |               |                  |                          |      | OPERATOR TYPE | IDENTIFICATION/LOCATION |
|------|-----|-------|--------|--------------|------------|-------------------------|---------------|------------------|--------------------------|------|---------------|-------------------------|
|      |     | STYLE | FLANGE | 'A' WIDTH    | 'B' HEIGHT | EXTERIOR MOUNTED SCREEN | EXTENDED SILL | U-FRAMED SCREENS | EXPOSED MULLION LOCATION |      |               |                         |
|      |     |       |        |              |            |                         |               |                  | VERT                     | HORZ |               |                         |
|      |     |       |        |              |            |                         |               |                  |                          |      |               |                         |
|      |     |       |        |              |            |                         |               |                  |                          |      |               |                         |
|      |     |       |        |              |            |                         |               |                  |                          |      |               |                         |
|      |     |       |        |              |            |                         |               |                  |                          |      |               |                         |
|      |     |       |        |              |            |                         |               |                  |                          |      |               |                         |
|      |     |       |        |              |            |                         |               |                  |                          |      |               |                         |

**AIRLINE**  
 LOUVERS  
 A NYSTROM BUILDING PRODUCTS COMPANY

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PROJECT:

CONTRACTOR:

ARCHITECT:

DRAWN BY:  
CMR

REV. DATE:  
03-03

QUANTITY:

DATE:

TITLE:  
LSA6D38

# AIRLINE LOUVERS

LSA6D38

## PERFORMANCE DATA

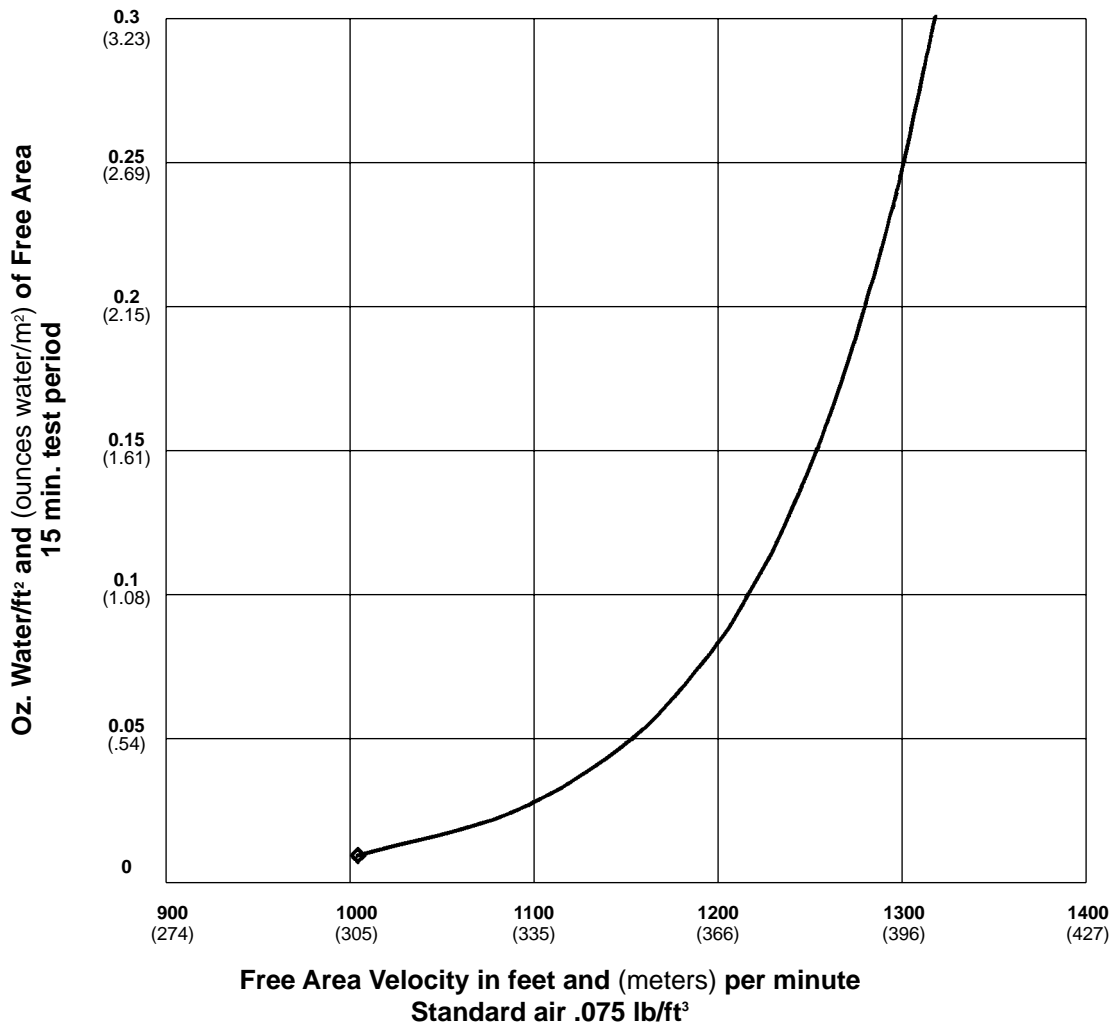
AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

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 1023 fpm (312 m/min).



# FREE AREA GUIDE

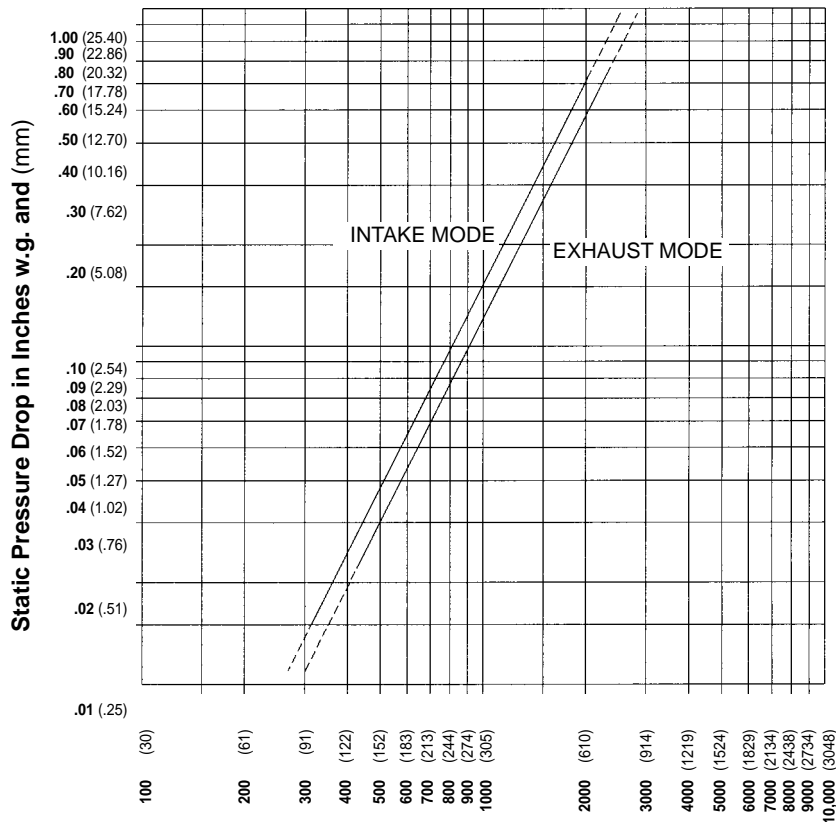
Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes

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  |
| 12                         | 0.31 | 0.49 | 0.67 | 0.86  | 1.04  | 1.22  | 1.41  | 1.59  | 1.77  | 1.96  | 2.14  | 2.32  | 2.51  | 2.69  | 2.88  | 3.06  | 3.25  | 3.43  | 3.61  |
| 18                         | 0.58 | 0.93 | 1.28 | 1.63  | 1.98  | 2.32  | 2.68  | 3.03  | 3.37  | 3.73  | 4.08  | 4.42  | 4.77  | 5.13  | 5.48  | 5.82  | 6.18  | 6.52  | 6.87  |
| 24                         | 0.86 | 1.38 | 1.89 | 2.40  | 2.92  | 3.43  | 3.96  | 4.47  | 4.98  | 5.50  | 6.02  | 6.53  | 7.05  | 7.57  | 8.09  | 8.60  | 9.12  | 9.63  | 10.15 |
| 30                         | 1.14 | 1.82 | 2.50 | 3.18  | 3.87  | 4.54  | 5.24  | 5.92  | 6.59  | 7.28  | 7.97  | 8.64  | 9.33  | 10.01 | 10.70 | 11.37 | 12.06 | 12.74 | 13.42 |
| 36                         | 1.41 | 2.26 | 3.11 | 3.95  | 4.80  | 5.64  | 6.52  | 7.35  | 8.18  | 9.04  | 9.89  | 10.73 | 11.58 | 12.44 | 13.29 | 14.13 | 14.98 | 15.82 | 16.67 |
| 42                         | 1.69 | 2.70 | 3.72 | 4.72  | 5.75  | 6.74  | 7.79  | 8.79  | 9.79  | 10.81 | 11.83 | 12.83 | 13.86 | 14.88 | 15.89 | 16.90 | 17.92 | 18.92 | 19.94 |
| 48                         | 1.97 | 3.15 | 4.33 | 5.50  | 6.69  | 7.86  | 9.08  | 10.24 | 11.40 | 12.59 | 13.78 | 14.95 | 16.14 | 17.33 | 18.51 | 19.68 | 20.87 | 22.04 | 23.23 |
| 54                         | 2.24 | 3.59 | 4.94 | 6.27  | 7.63  | 8.96  | 10.35 | 11.67 | 13.00 | 14.35 | 15.71 | 17.04 | 18.40 | 19.75 | 21.10 | 22.44 | 23.79 | 25.12 | 26.48 |
| 60                         | 2.52 | 4.03 | 5.55 | 7.05  | 8.57  | 10.06 | 11.62 | 13.12 | 14.60 | 16.13 | 17.65 | 19.14 | 20.67 | 22.19 | 23.71 | 25.21 | 26.73 | 28.22 | 29.75 |
| 66                         | 2.80 | 4.47 | 6.16 | 7.82  | 9.51  | 11.17 | 12.90 | 14.56 | 16.20 | 17.90 | 19.59 | 21.24 | 22.94 | 24.63 | 26.31 | 27.98 | 29.67 | 31.32 | 33.01 |
| 72                         | 3.08 | 4.92 | 6.76 | 8.59  | 10.45 | 12.27 | 14.18 | 16.00 | 17.81 | 19.67 | 21.53 | 23.35 | 25.21 | 27.07 | 28.91 | 30.74 | 32.60 | 34.42 | 36.28 |
| 78                         | 3.35 | 5.36 | 7.37 | 9.37  | 11.40 | 13.38 | 15.45 | 17.44 | 19.41 | 21.44 | 23.47 | 25.45 | 27.48 | 29.51 | 31.52 | 33.51 | 35.54 | 37.52 | 39.55 |
| 84                         | 3.63 | 5.80 | 7.98 | 10.14 | 12.34 | 14.48 | 16.73 | 18.88 | 21.02 | 23.21 | 25.41 | 27.55 | 29.75 | 31.94 | 34.12 | 36.28 | 38.48 | 40.62 | 42.82 |
| 90                         | 3.91 | 6.25 | 8.59 | 10.92 | 13.28 | 15.59 | 18.01 | 20.32 | 22.62 | 24.98 | 27.35 | 29.65 | 32.02 | 34.38 | 36.73 | 39.05 | 41.41 | 43.72 | 46.09 |

57% free area based on 48" X 48" unit

## PRESSURE DROP



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

Ratings do not include the effects of a bird screen