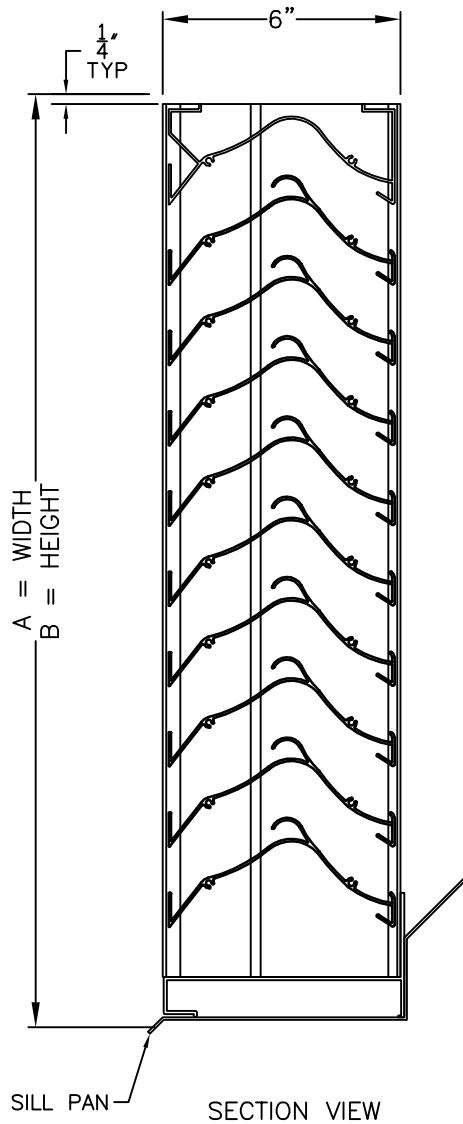


EXTRUDED ALUMINUM, 6" DEEP, HORIZONTAL FIXED TYPE BLADE FOR WIND DRIVEN RAIN



MODEL LE-69
STANDARD SPECIFICATIONS

FRAME: 6" DEEP CHANNEL, .081" THICK 6063-T6 EXTRUDED ALUMINUM ALLOY.

BLADES: .060" THICK 6063-T6 EXTRUDED ALUMINUM ALLOY.

FINISH: MILL.

SILL PAN: .060 THICK FORMED ALUMINUM.

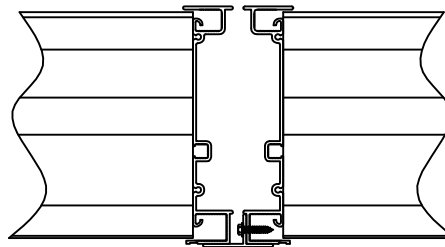
SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON INTERIOR.

MAXIMUM PANEL SIZE: 96" X 96".

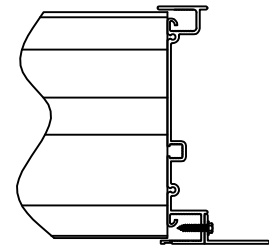
MINIMUM PANEL SIZE: 12" X 12".

DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES. LOUVERS ARE MADE 1/2" UNDERSIZE.

* PANELS OVER 60" WIDE WILL BE 7-1/2" DEEP DUE TO A VERTICAL INTERIOR BLADE SUPPORT ANGLE.

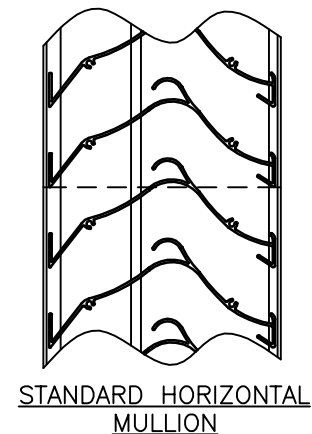


STANDARD VERTICAL MULLION

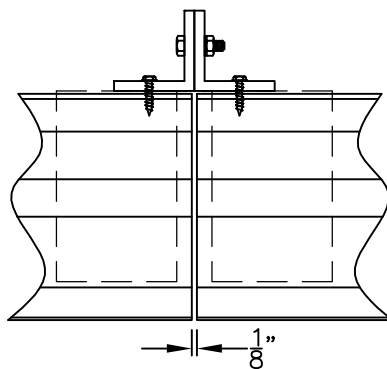


OPTIONAL FLANGED FRAME
(JAMB SHOWN)

SILL PAN SECTION VIEW



STANDARD HORIZONTAL MULLION



ARCHITECTURAL VERTICAL MULLION OPTIONAL



American Warming and Ventilating LE-69 louver shown herein 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, water penetration ratings, and wind driven rain ratings.



american warming and ventilating

A MESTEK COMPANY

7301 INTERNATIONAL DRIVE
Phone (419) 865-5000

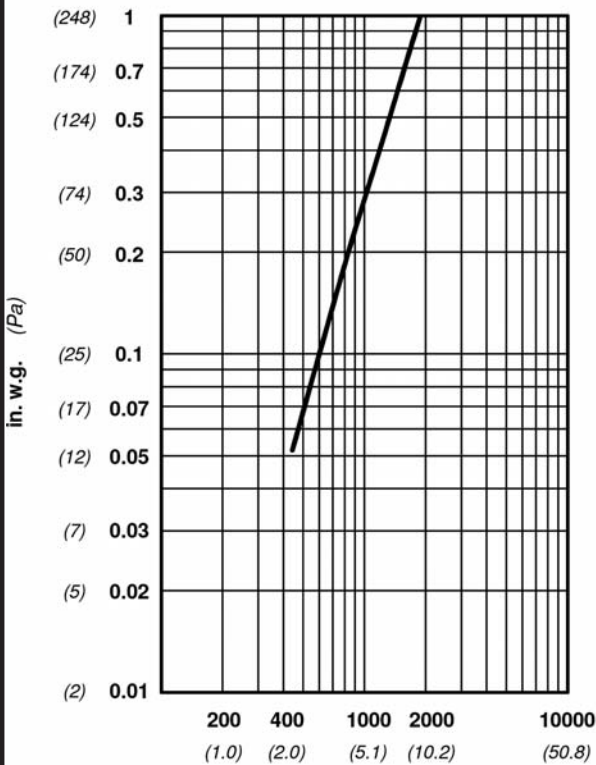
HOLLAND, OHIO
Fax (419) 865-1375

LE-69 STATIONARY LOUVER

| | | |
|----------------|-------------------|------|
| DRN. BY DWW | DWG. NO. LE-69 | REV. |
| DATE 7/3/12 | | |

Water Penetration : 0.01 oz (3.0 g) at 1250 fpm (6.35 m/s) recommended free area velocity
Pressure Drop : 0.44 in wg (110 Pa.) at 1250 fpm(6.35 m/s) and 10025 scfm(4.73 scm/s)
Free Area : 8.02 sq ft (0.745 sq m) = 50.1% for 48" x 48" (1.22m x 1.22m) test size

INTAKE PRESSURE DROP



VELOCITY THROUGH FREE AREA fpm (m/s)
 standard air - .075 lbs per cu ft

Ratings do not include the effect of a wire bird screen
 Test based on a 48" x 48" test size per AMCA Standard 511
 Figure 5.5. Data are based on intake performance.

FREE AREA IN SQUARE FEET (sq meters)

| | | WIDTH | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | in. | 12 | 24 | 36 | 48 | 60 | 72 | 84 |
| HEIGHT | mm | 305 | 610 | 914 | 1219 | 1524 | 1829 | 2134 | 2438 |
| | 12 | 0.30 | 0.69 | 1.07 | 1.45 | 1.84 | 2.22 | 2.60 | 2.99 |
| | 305 | 0.028 | 0.064 | 0.099 | 0.135 | 0.171 | 0.206 | 0.242 | 0.278 |
| | 24 | 0.75 | 1.71 | 2.67 | 3.63 | 4.59 | 5.55 | 6.51 | 7.47 |
| | 610 | 0.070 | 0.159 | 0.248 | 0.337 | 0.426 | 0.515 | 0.605 | 0.694 |
| | 36 | 1.20 | 2.74 | 4.27 | 5.81 | 7.34 | 8.88 | 10.41 | 11.95 |
| | 914 | 0.112 | 0.254 | 0.397 | 0.540 | 0.682 | 0.825 | 0.967 | 1.110 |
| | 48 | 1.66 | 3.77 | 5.88 | 8.02 | 10.10 | 12.21 | 14.32 | 16.43 |
| | 1219 | 0.154 | 0.350 | 0.546 | 0.745 | 0.938 | 1.134 | 1.330 | 1.526 |
| | 60 | 2.11 | 4.79 | 7.48 | 10.16 | 12.85 | 15.54 | 18.22 | 20.91 |
| 1524 | 0.196 | 0.445 | 0.695 | 0.944 | 1.194 | 1.443 | 1.693 | 1.942 | |
| 72 | 2.56 | 5.82 | 9.08 | 12.34 | 15.60 | 18.86 | 22.13 | 25.39 | |
| 1829 | 0.238 | 0.541 | 0.844 | 1.147 | 1.450 | 1.753 | 2.055 | 2.358 | |
| 84 | 3.01 | 6.85 | 10.68 | 14.52 | 18.36 | 22.19 | 26.03 | 29.87 | |
| 2134 | 0.280 | 0.636 | 0.992 | 1.349 | 1.705 | 2.062 | 2.418 | 2.775 | |
| 96 | 3.46 | 7.87 | 12.29 | 16.70 | 21.11 | 25.52 | 29.93 | 34.35 | |
| 2438 | 0.322 | 0.731 | 1.141 | 1.551 | 1.961 | 2.371 | 2.781 | 3.191 | |

| Wind-Driven Rain Penetration Classes: | | Discharge Loss Coefficient Classes: | |
|---------------------------------------|---------------|-------------------------------------|---------------|
| Class | Effectiveness | Class | Coefficient |
| A | 100% to 99% | 1 | 0.4 & above |
| B | 98.9% to 95% | 2 | 0.3 to 0.399 |
| C | 94.9% to 80% | 3 | 0.2 to 0.299 |
| D | Below 80% | 4 | 0.199 & below |

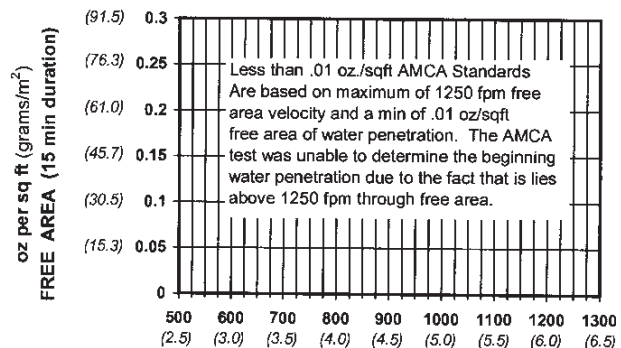
Wind Driven Rain Performance 29 mph (46.7 kph) with 3 in/h (76 mm/h)

| Water Penetration | Effectiveness Ratio | Coefficient of Discharge | Core Velocity | Ventilation Airflow | Free Area Velocity |
|-------------------|---------------------|--------------------------|-------------------|---------------------|--------------------|
| Class A | 99.7% | Class 3 | 376 fpm (1.9 m/s) | 4044 cfm (1.9 cm/s) | 676 fpm (3.4 m/s) |

Wind Driven Rain Performance 50 mph (80.5 kph) with 8 in/h (203 mm/h)

| Water Penetration | Effectiveness Ratio | Coefficient of Discharge | Core Velocity | Ventilation Airflow | Free Area Velocity |
|-------------------|---------------------|--------------------------|-----------------|---------------------|--------------------|
| Class A | 99.2% | Class 3 | 201 fpm (1 m/s) | 2165 cfm (1 cm/s) | 362 fpm (1.8 m/s) |

WATER PENETRATION



VELOCITY THROUGH FREE AREA fpm (m/s)

Both maximum recommended free area velocity and beginning of
 water penetration are 1250 fpm at standard air - .075 lbs per cu ft.
 The above water penetration data is based on mill finish, 48" x 48"
 test size per AMCA Standard 511.



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LE-69