

# Model A4080-A4085

## 4" (101.6 mm) High Performance Fixed Extruded Mullion Louvre

### Material:

|                                                         |                                                                                                                                                                                                                                                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material:                                               | 6063-T6 Alloy                                                                                                                                                                                                                                             |
| Nominal Thickness<br>(heads, sills, jambs, & mullions): | Head: 0.070" (1.78mm)<br>Sills, Jambs & Mullions 0.080" (2.03 mm)                                                                                                                                                                                         |
| Nominal Blade Thickness:                                | 0.080" (2.03 mm)                                                                                                                                                                                                                                          |
| Additional Options<br>(at additional cost):             | Birdscreen: 0.5" (12.7 mm) welded<br>stainless steel G304 mesh.<br><br>Insect screen (in lieu of bird screen),<br>Continuous clip angles for attachment<br>Sheet blank off, Insulated blank off<br>Sill pans, Flange frames, Integrated<br>glazing frames |



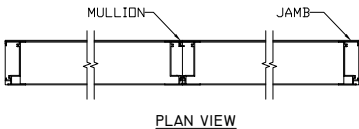
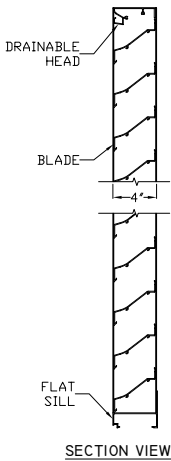
### Test Summary:

#### For a 4 Foot by 4 Foot Unit (1219mm x 1219mm).

#### Tested with mill finish and no screen

- Free (throat) area = 8.65 ft<sup>2</sup> (0.804m<sup>2</sup>)
- Percent free (throat) area = 54%
- Free (throat) area velocity at the point of beginning water penetration (@ 0.01oz. / ft<sup>2</sup> of free (throat) area based on a 15 minute interval test) = 868 FPM (4.4 m/s)
- Intake pressure drop at 0.01 oz. / ft<sup>2</sup> free (throat) area velocity = 0.162 in. H<sub>2</sub>O (40.3 Pa)

Construction Specialties Inc. certifies that the louvre model A4080-A4085 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 and water penetration ratings.



### Discharge Coefficient

Intake Cd = 0.34 (Class 2)

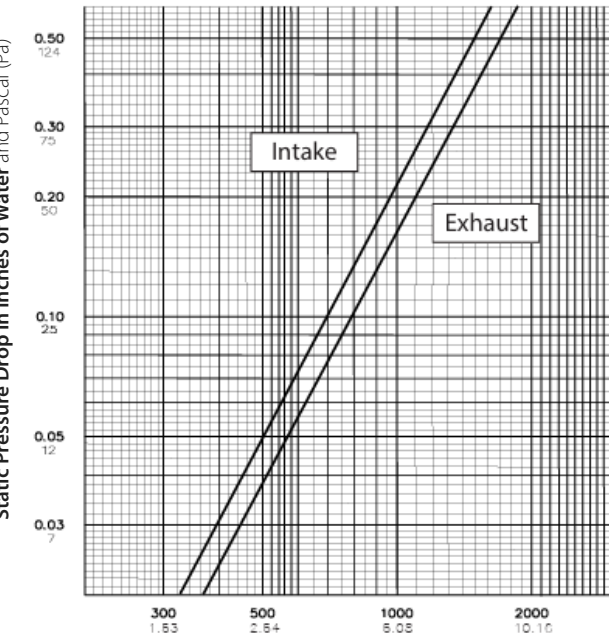
AMCA certifies the coefficient class only

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Water Penetration Statement

AMCA defines the point of beginning water penetration as the free (throat) area velocity at which the AMCA water test has yielded 0.01 or less ounces of water per square foot of louvre free (throat) area during a 15-minute test period.



Free Air Velocity in Feet per minute and Metre per Second (m/s)

Data corrected to standard air density.  
48" x 48" (121.92cm x 121.92cm) louvre tested to figure 5.5.

Free (throat) area Table (Free (throat) area in sq. feet and sq. metres)

For additional sizes, please visit:

Width in Inches and Metres

|      | 18   | 24    | 30    | 36    | 42    | 48    | 54    | 60    |
|------|------|-------|-------|-------|-------|-------|-------|-------|
|      | 0.46 | 0.61  | 0.76  | 0.91  | 1.07  | 1.22  | 1.37  | 1.52  |
| 18   | 0.87 | 1.25  | 1.62  | 2.00  | 2.37  | 2.75  | 3.12  | 3.50  |
| 0.46 | 0.08 | 0.12  | 0.15  | 0.19  | 0.22  | 0.26  | 0.29  | 0.32  |
| 24   | 1.20 | 1.72  | 2.24  | 2.75  | 3.27  | 3.79  | 4.30  | 4.82  |
| 0.61 | 0.11 | 0.16  | 0.21  | 0.26  | 0.30  | 0.35  | 0.40  | 0.45  |
| 30   | 1.65 | 2.36  | 3.06  | 3.77  | 4.48  | 5.18  | 5.89  | 6.60  |
| 0.76 | 0.15 | 0.22  | 0.28  | 0.35  | 0.42  | 0.48  | 0.55  | 0.61  |
| 36   | 1.98 | 2.83  | 3.68  | 4.52  | 5.37  | 6.22  | 7.07  | 7.92  |
| 0.91 | 0.18 | 0.26  | 0.34  | 0.42  | 0.50  | 0.58  | 0.66  | 0.74  |
| 42   | 2.42 | 3.46  | 4.50  | 5.54  | 6.58  | 7.62  | 8.66  | 9.70  |
| 1.07 | 0.23 | 0.32  | 0.42  | 0.51  | 0.61  | 0.71  | 0.80  | 0.90  |
| 48   | 2.75 | 3.93  | 5.11  | 6.29  | 7.47  | 8.65  | 9.84  | 11.02 |
| 1.22 | 0.26 | 0.37  | 0.48  | 0.58  | 0.69  | 0.80  | 0.91  | 1.02  |
| 54   | 3.20 | 4.57  | 5.94  | 7.31  | 8.68  | 10.05 | 11.42 | 12.79 |
| 1.37 | 0.30 | 0.42  | 0.55  | 0.68  | 0.81  | 0.93  | 1.06  | 1.19  |
| 60   | 3.53 | 5.04  | 6.55  | 8.07  | 9.58  | 11.09 | 12.60 | 14.11 |
| 1.52 | 0.33 | 0.47  | 0.61  | 0.75  | 0.89  | 1.03  | 1.17  | 1.31  |
| 66   | 3.97 | 5.68  | 7.38  | 9.08  | 10.78 | 12.49 | 14.19 | 15.89 |
| 1.68 | 0.37 | 0.53  | 0.69  | 0.84  | 1.00  | 1.16  | 1.32  | 1.48  |
| 72   | 4.30 | 6.15  | 7.99  | 9.84  | 11.68 | 13.52 | 15.37 | 17.21 |
| 1.83 | 0.40 | 0.57  | 0.74  | 0.91  | 1.09  | 1.26  | 1.43  | 1.60  |
| 78   | 4.75 | 6.78  | 8.82  | 10.85 | 12.89 | 14.92 | 16.96 | 18.99 |
| 1.98 | 0.44 | 0.63  | 0.82  | 1.01  | 1.20  | 1.39  | 1.58  | 1.76  |
| 84   | 5.08 | 7.25  | 9.43  | 11.61 | 13.78 | 15.96 | 18.14 | 20.31 |
| 2.13 | 0.47 | 0.67  | 0.88  | 1.08  | 1.28  | 1.48  | 1.68  | 1.89  |
| 90   | 5.52 | 7.89  | 10.26 | 12.62 | 14.99 | 17.36 | 19.72 | 22.09 |
| 2.29 | 0.51 | 0.73  | 0.95  | 1.17  | 1.39  | 1.61  | 1.83  | 2.05  |
| 96   | 5.85 | 8.36  | 10.87 | 13.38 | 15.89 | 18.39 | 20.90 | 23.41 |
| 2.44 | 0.54 | 0.78  | 1.01  | 1.24  | 1.48  | 1.71  | 1.94  | 2.17  |
| 102  | 6.30 | 9.00  | 11.69 | 14.39 | 17.09 | 19.79 | 22.49 | 25.19 |
| 2.59 | 0.59 | 0.84  | 1.09  | 1.34  | 1.59  | 1.84  | 2.09  | 2.34  |
| 108  | 6.63 | 9.47  | 12.31 | 15.15 | 17.99 | 20.83 | 23.67 | 26.51 |
| 2.74 | 0.62 | 0.88  | 1.14  | 1.41  | 1.67  | 1.94  | 2.20  | 2.46  |
| 114  | 7.07 | 10.10 | 13.13 | 16.16 | 19.20 | 22.23 | 25.26 | 28.29 |
| 2.90 | 0.66 | 0.94  | 1.22  | 1.50  | 1.78  | 2.06  | 2.35  | 2.63  |
| 120  | 7.40 | 10.57 | 13.75 | 16.92 | 20.09 | 23.26 | 26.44 | 29.61 |
| 3.05 | 0.69 | 0.98  | 1.28  | 1.57  | 1.87  | 2.16  | 2.46  | 2.75  |
| 126  | 7.85 | 11.21 | 14.57 | 17.93 | 21.30 | 24.66 | 28.02 | 31.39 |
| 3.20 | 0.73 | 1.04  | 1.35  | 1.67  | 1.98  | 2.29  | 2.60  | 2.92  |
| 132  | 8.18 | 11.68 | 15.18 | 18.69 | 22.19 | 25.70 | 29.20 | 32.71 |
| 3.35 | 0.76 | 1.09  | 1.41  | 1.74  | 2.06  | 2.39  | 2.71  | 3.04  |
| 138  | 8.62 | 12.32 | 16.01 | 19.71 | 23.40 | 27.10 | 30.79 | 34.48 |
| 3.51 | 0.80 | 1.14  | 1.49  | 1.83  | 2.17  | 2.52  | 2.86  | 3.20  |
| 144  | 8.95 | 12.79 | 16.62 | 20.46 | 24.30 | 28.13 | 31.97 | 35.80 |
| 3.66 | 0.83 | 1.19  | 1.54  | 1.90  | 2.26  | 2.61  | 2.97  | 3.33  |

Height in Inches and Metres

Upper Numerals English Units/Lower Numerals Metric Units