

MODEL EL-4

FIXED 4" LOUVER

STANDARD CONSTRUCTION:

Frame: .081 Extruded Aluminum, 4.16" Deep

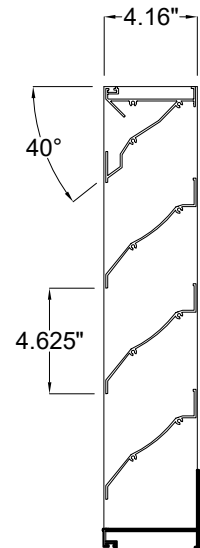
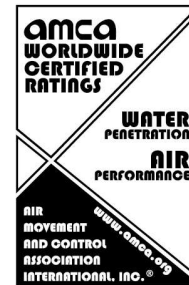
Blade: .081 Extruded Aluminum positioned on a 40° angle on approximately 4.625" centers

Birdscreen: 0.50" x .050" Flattened Aluminum in removable frame. Screen is mounted as standard on inside (rear) as looking from exterior of building.

Finish: Mill Aluminum (Std.)

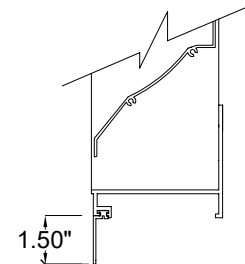
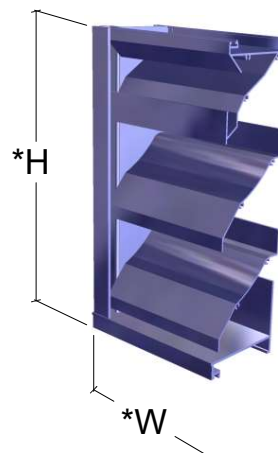
Minimum Size: 12 x12

Maximum Single Section: 120"w x 84"h or 84"w x 120"h



OPTIONS:

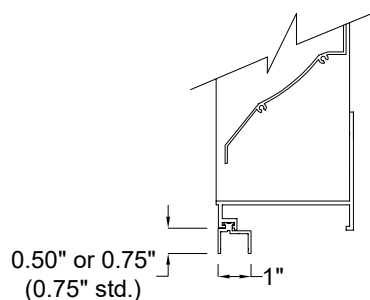
- ☐ Flanged Frame (1.50" std.), (1" std for shapes R_)
- ☐ Custom Flange (1", 2" , or 3"), (1.5", 2", or 3" for shapes R_)
- ☐ Glazing Adapter (0.50" or 0.75")
- ☐ Extended Sill
- ☐ Insect Screen (Other Screens Available, See Screen Page)
- ☐ Filter Racks (no screen)
- ☐ Security Bars
- ☐ Hinged Sub Frame
- ☐ Welded Construction (Wind Load +/- 50 psf)
- ☐ Blank-off, Alum., non-insulated, no screen, non-removeable
- ☐ Blank-off, Alum., non-insulated, with bird screen or insect screen
- ☐ Blank-off, Alum., insulated double wall, with bird screen, removable
- ☐ Blank-off, Alum., insulated double wall, no screen, non-removeable



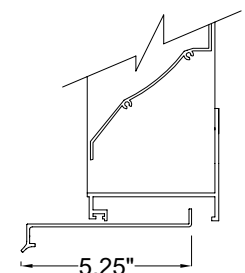
OPTIONAL FLANGE
(except R_ Shapes, 1" optional std.)

Available Finishes:

- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



OPTIONAL GLAZING ADAPTER



OPTIONAL EXTENDED SILL

*Width and Height dimensions are approximately 1/4" under listed size.

Due to continuing research, United Enertech reserves the right to change specifications without notice.



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MODEL EL-4 (Fixed J/K Blade Louver)

| DRAWN BY: | DATE: | REV. DATE: | REV. NO. | APPROVED BY: | DWG. NO.: |
|-----------|---------------|--------------|----------|--------------|-----------|
| CLJ | NOVEMBER 2002 | OCTOBER 2014 | 6 | MD | A-8 |

SUGGESTED SPECIFICATION

Finish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be "J" blade style with 40° stationary blades. Stationary blades shall be contained within a 4.16" frame. Louver components (heads, jambs, sills, blades, and 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 30 lbs. per sq. ft. (equivalent of a 110 mph wind).

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 United Enertech model specified.

Louvers shall be United Enertech EL-4 6063T5 aluminum construction as follows:

FRAME: 4.16" deep, .081" nominal wall thickness

BLADES: .081" nominal wall thickness. Blades are positioned at 39° angle and spaced approximately 4.625" center to center.

SCREEN: .75" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.

FINISH: Select finish specification from United Enertech Finishes brochure.

PERFORMANCE DATA

AMCA Standard 500-L provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L 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.

EL-4 FREE AREA IN SQ. FT.

| Height - Inches | Louver Height Inches | Width - Inches | | | | | | | | | | | | | | | | | | Louver Height Inches | |
|-----------------|-------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------|----|
| | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 | | |
| | 12 | 0.35 | 0.57 | 0.78 | 1.00 | 1.21 | 1.43 | 1.65 | 1.86 | 2.08 | 2.29 | 2.51 | 2.72 | 2.94 | 3.16 | 3.37 | 3.59 | 3.80 | 4.02 | 4.24 | 12 |
| | 18 | 0.53 | 0.86 | 1.18 | 1.51 | 1.84 | 2.16 | 2.49 | 2.82 | 3.14 | 3.47 | 3.80 | 4.12 | 4.45 | 4.78 | 5.10 | 5.43 | 5.76 | 6.08 | 6.41 | 18 |
| | 24 | 0.81 | 1.30 | 1.80 | 2.30 | 2.80 | 3.29 | 3.79 | 4.29 | 4.78 | 5.28 | 5.78 | 6.28 | 6.77 | 7.27 | 7.77 | 8.26 | 8.76 | 9.26 | 9.76 | 24 |
| | 30 | 1.10 | 1.77 | 2.44 | 3.12 | 3.79 | 4.47 | 5.14 | 5.81 | 6.49 | 7.16 | 7.84 | 8.51 | 9.19 | 9.86 | 10.53 | 11.21 | 11.88 | 12.56 | 13.23 | 30 |
| | 36 | 1.29 | 2.08 | 2.87 | 3.66 | 4.46 | 5.25 | 6.04 | 6.83 | 7.62 | 8.42 | 9.21 | 10.00 | 10.79 | 11.58 | 12.38 | 13.17 | 13.96 | 14.75 | 15.54 | 36 |
| | 42 | 1.56 | 2.51 | 3.47 | 4.43 | 5.39 | 6.34 | 7.30 | 8.26 | 9.22 | 10.17 | 11.13 | 12.09 | 13.05 | 14.00 | 14.96 | 15.92 | 16.88 | 17.83 | 18.79 | 42 |
| | 48 | 1.79 | 2.90 | 4.00 | 5.11 | 6.21 | 7.32 | 8.42 | 9.52 | 10.63 | 11.73 | 12.84 | 13.94 | 15.04 | 16.15 | 17.25 | 18.36 | 19.46 | 20.57 | 21.67 | 48 |
| | 54 | 2.04 | 3.30 | 4.55 | 5.81 | 7.06 | 8.32 | 9.58 | 10.83 | 12.09 | 13.34 | 14.60 | 15.85 | 17.11 | 18.37 | 19.62 | 20.88 | 22.13 | 23.39 | 24.65 | 54 |
| | 60 | 2.31 | 3.73 | 5.15 | 6.57 | 7.99 | 9.40 | 10.82 | 12.24 | 13.66 | 15.08 | 16.50 | 17.92 | 19.34 | 20.76 | 22.18 | 23.60 | 25.02 | 26.44 | 27.86 | 60 |
| | 66 | 2.59 | 4.18 | 5.77 | 7.37 | 8.96 | 10.55 | 12.14 | 13.74 | 15.33 | 16.92 | 18.51 | 20.11 | 21.70 | 23.29 | 24.88 | 26.48 | 28.07 | 29.66 | 31.25 | 66 |
| | 72 | 2.88 | 4.65 | 6.42 | 8.19 | 9.96 | 11.73 | 13.50 | 15.27 | 17.04 | 18.81 | 20.58 | 22.35 | 24.12 | 25.89 | 27.66 | 29.43 | 31.20 | 32.97 | 34.74 | 72 |
| | 78 | 3.06 | 4.94 | 6.83 | 8.71 | 10.59 | 12.47 | 14.36 | 16.24 | 18.12 | 20.01 | 21.89 | 23.77 | 25.65 | 27.54 | 29.42 | 31.30 | 33.19 | 35.07 | 36.95 | 78 |
| | 84 | 3.33 | 5.39 | 7.44 | 9.49 | 11.54 | 13.59 | 15.64 | 17.70 | 19.75 | 21.80 | 23.85 | 25.90 | 27.95 | 30.01 | 32.06 | 34.11 | 36.16 | 38.21 | 40.26 | 84 |
| | 90 | 3.62 | 5.85 | 8.08 | 10.31 | 12.54 | 14.77 | 17.00 | 19.23 | 21.46 | 23.68 | 25.91 | 28.14 | 30.37 | | | | | | | |
| | 96 | 3.82 | 6.17 | 8.52 | 10.86 | 13.21 | 15.56 | 17.91 | 20.26 | 22.61 | 24.96 | 27.31 | 29.66 | 32.01 | | | | | | | |
| | 102 | 4.08 | 6.60 | 9.11 | 11.62 | 14.14 | 16.65 | 19.16 | 21.67 | 24.19 | 26.70 | 29.21 | 31.73 | 34.24 | | | | | | | |
| | 108 | 4.37 | 7.06 | 9.75 | 12.43 | 15.12 | 17.81 | 20.50 | 23.19 | 25.88 | 28.56 | 31.25 | 33.94 | 36.63 | | | | | | | |
| | 114 | 4.66 | 7.52 | 10.39 | 13.25 | 16.12 | 18.98 | 21.85 | 24.71 | 27.58 | 30.45 | 33.31 | 36.18 | 39.04 | | | | | | | |
| 120 | 4.83 | 7.81 | 10.78 | 13.76 | 16.73 | 19.71 | 22.68 | 25.66 | 28.63 | 31.61 | 34.58 | 37.56 | 40.53 | | | | | | | | |



United Enertech Corporation certifies that the louver model shown hereon is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with the AMCA publication 511 and comply with the requirement of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration ratings.

Water Penetration

Standard Air-.075 lb/ft³



Beginning point of **WATER PENETRATION** for **MODEL EL-4** is **995 fpm**
free area velocity at .01 oz. of water

AIR FLOW RESISTANCE

