

MODEL AFL-D-6

HIGH PERFORMANCE ADJUSTABLE LOUVER 6"

STANDARD CONSTRUCTION:

FRAME:

.125 Extruded Aluminum 6.20" deep.

BLADES:

.081 Extruded Aluminum Positioned on a 35° angle on approximately 4.64" centers.

LINKAGE:

Jamb Linkage

BIRDSCREEN:

.50" X .050 Flattened Aluminum in Removable Frame. Screen is mounted on inside (rear) as looking from exterior of building.

OPERATOR:

Louvers without actuators will be supplied with Locking Quadrants

FINISH:

Mill Aluminum (Std.)

MINIMUM SIZE:

12"w x 12"h

MAXIMUM SIZE:

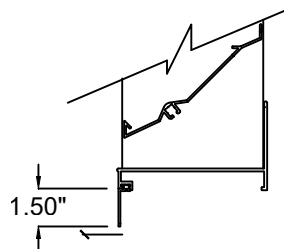
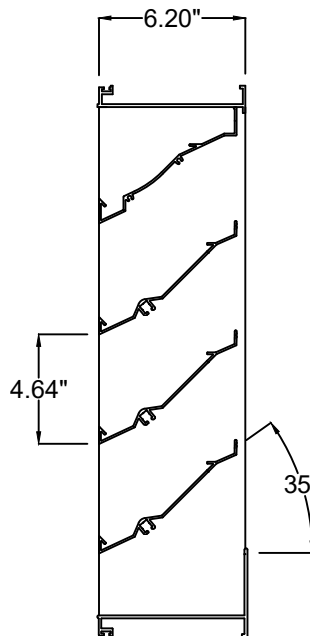
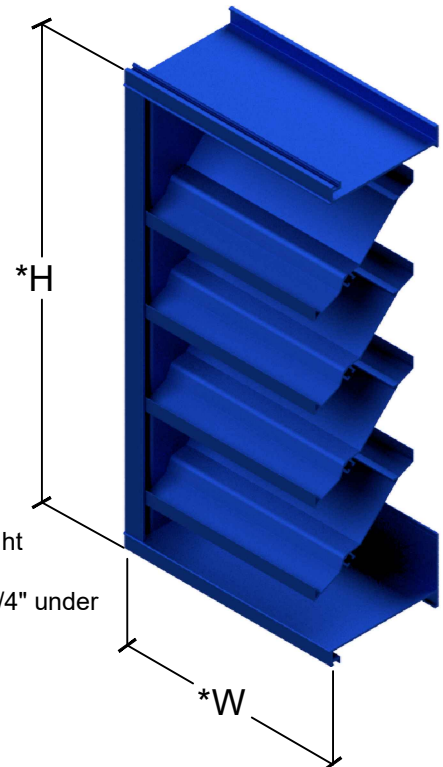
60"w x 96"h single section. Multiple louvers can be bolted together up to 120"w x 84" h or 84"w x 120"h. Factory assembled multi-section max: 108"w x 48"h. Larger sizes are field assembled.

OPTIONS:

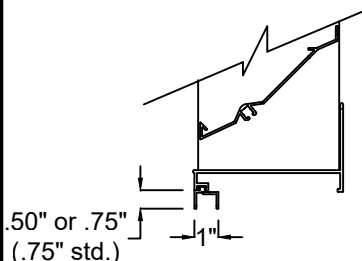
- ☐ Flanged Frame (1.5" std.)
- ☐ Custom Flange (1", 2", or 3")
- ☐ Glazing Adapter (.50" or .75")
- ☐ Extended Sill
- ☐ Insect Screen (Other Screens Available, See Screen Page)
- ☐ Filter Racks (no screen)
- ☐ Security Bars
- ☐ Blade Seals (EPDM)
- ☐ Jamb Seals (Stainless Steel)
- ☐ Hinged Sub Frame
- ☐ Actuator: See Actuator Selection Chart
- ☐ Blade Seals
- ☐ Jamb Seals

AVAILABLE FINISHES:

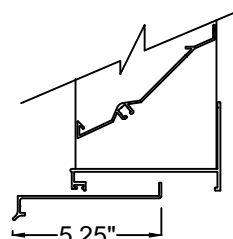
- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



OPTIONAL FLANGE



OPTIONAL GLAZING ADAPTER



OPTIONAL EXTENDED SILL

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



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MODEL AFL-D-6 (High Performance Adjustable Louver 6")

| DRAWN BY: | DATE: | REV. DATE: | REV. NO. | APPROVED BY: | DWG. NO.: |
|-----------|------------|------------|----------|--------------|-----------|
| CLJ | APRIL 2000 | June 2020 | 11 | CLJ | A-26 |

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be adjustable drainable type with drain gutters in each blade and downspouts in jambs and mullions. adjustable drainable blades shall be contained within a 6.20" 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).

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.



United Enertech certifies that the AFL-D-6 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 rating seal applies to air performance ratings and water penetration ratings.

Louvers shall be United Enertech #AFL-D-6 6063T6 extruded aluminum construction as follows:

- Frame: 6.20" deep, .125 nominal wall thickness.
- Blades: .081 nominal wall thickness. Drainable.
- Blades are positioned at 37-degree angle and spaced approximately 4.64 center to center.
- Screen: 0.5" x .050" (19 x 1.3) expanded, flattened aluminum in removable frame.
- Finish: Select finish specification from United Enertech 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 United Enertech model specified.

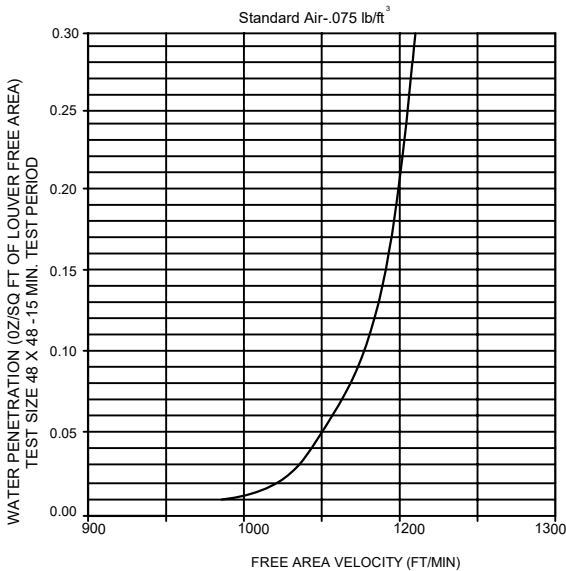
| Louver Height Inches | AFL-D-6 FREE AREA IN SQ. FT. | | | | | | | | | Louver Height Inches |
|----------------------------|------------------------------|------|------|-------|-------|-------|-------|-------|-------|----------------------------|
| | Width - Inches | | | | | | | | | |
| | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | |
| 12 | 0.24 | 0.39 | 0.53 | 0.68 | 0.83 | 0.98 | 1.12 | 1.27 | 1.42 | 12 |
| 18 | 0.50 | 0.81 | 1.12 | 1.44 | 1.75 | 2.06 | 2.37 | 2.68 | 2.99 | 18 |
| 24 | 0.77 | 1.24 | 1.71 | 2.19 | 2.66 | 3.13 | 3.61 | 4.08 | 4.55 | 24 |
| 30 | 1.04 | 1.67 | 2.31 | 2.95 | 3.59 | 4.22 | 4.86 | 5.50 | 6.14 | 30 |
| 36 | 1.30 | 2.10 | 2.90 | 3.70 | 4.50 | 5.30 | 6.10 | 6.90 | 7.71 | 36 |
| 42 | 1.28 | 2.07 | 2.86 | 3.64 | 4.43 | 5.22 | 6.01 | 6.80 | 7.58 | 42 |
| 48 | 1.53 | 2.48 | 3.42 | 4.36 | 5.30 | 6.25 | 7.19 | 8.13 | 9.08 | 48 |
| 54 | 2.00 | 3.22 | 4.45 | 5.68 | 6.91 | 8.14 | 9.36 | 10.59 | 11.82 | 54 |
| 60 | 2.18 | 3.51 | 4.85 | 6.19 | 7.53 | 8.87 | 10.21 | 11.54 | 12.88 | 60 |
| 66 | 2.45 | 3.96 | 5.46 | 6.97 | 8.48 | 9.99 | 11.49 | 13.00 | 14.51 | 66 |
| 72 | 2.71 | 4.37 | 6.04 | 7.70 | 9.37 | 11.03 | 12.70 | 14.37 | 16.03 | 72 |
| 78 | 2.98 | 4.81 | 6.65 | 8.48 | 10.32 | 12.15 | 13.99 | 15.82 | 17.65 | 78 |
| 84 | 3.14 | 5.07 | 7.00 | 8.94 | 10.87 | 12.80 | 14.73 | 16.66 | 18.60 | 84 |
| 90 | 3.40 | 5.49 | 7.58 | 9.67 | 11.76 | 13.85 | 15.94 | 18.03 | 20.12 | 90 |
| 96 | 3.56 | 5.74 | 7.93 | 10.12 | 12.31 | 14.50 | 16.69 | 18.87 | 21.06 | 96 |

Beginning point of WATER PENETRATION

is
987 fpm

free area velocity at .01 oz. of water penetration

WATER PENETRATION



AIR FLOW RESISTANCE

