

## MODEL FA-157

## HIGH PERFORMANCE 90° ADJUSTABLE LOUVER 6"

### STANDARD CONSTRUCTION:

#### FRAME:

0.125 (3mm) Extruded Aluminum 6.188" (157mm) deep.

#### BLADES:

.081 (2mm) Extruded Aluminum  
on approximately 4.64" (118mm) centers.

#### LINKAGE:

In Airstream

#### 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 (305mm x 305mm)

#### MAXIMUM SIZE:

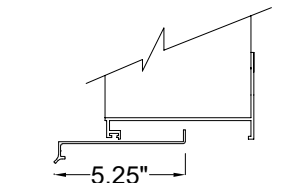
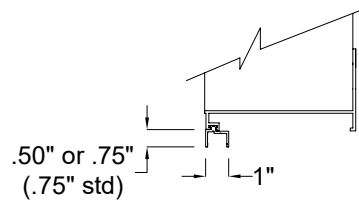
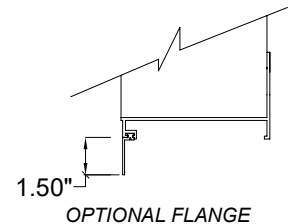
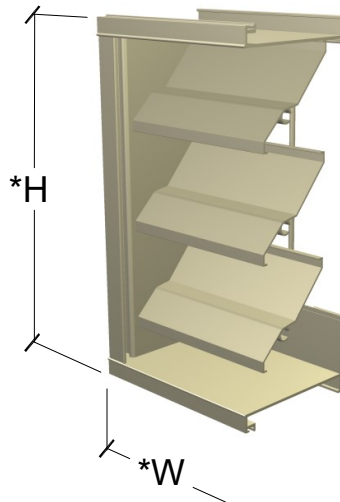
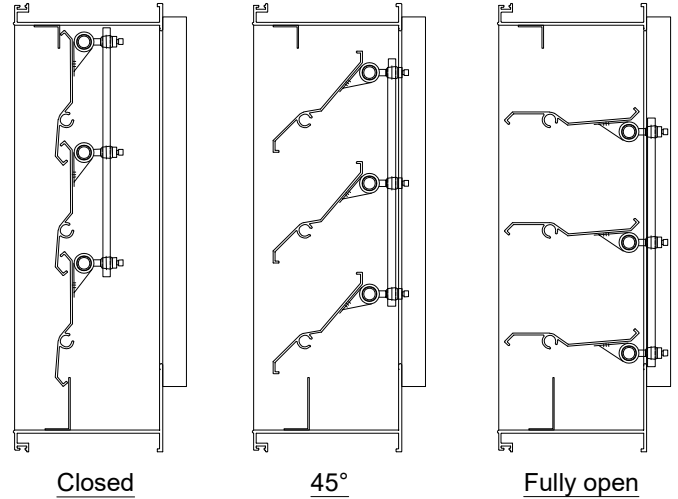
60"w x 96"h (1524mm x 2438mm) single section, Multiple louvers can be bolted together  
up to 120"w x 84" h or 84"w x 120"h (3048mm x 2135mm or 2135mm x 3048mm)  
Factory assembled multi-section max: 108"w x 48"h (2743mm x 1219mm) Larger sizes are field assembled.

### 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
- .125" Construction

### AVAILABLE FINISHES:

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



\*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 FA-157 (High Performance 90° Adjustable Louver 6")

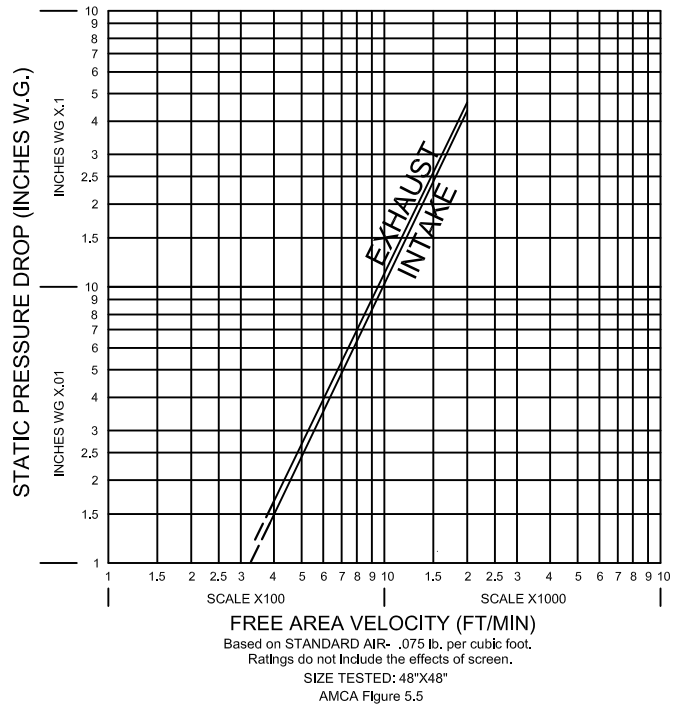
DRAWN BY: CLJ	DATE: August 2013	REV. DATE: March 2014	REV. NO. 2	APPROVED BY: BGT	DWG. NO.: <b>A-29a</b>
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# Performance Data



United Enertech Corp. certifies that the louver FA-157 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.

## Air Flow Resistance (blades fully open)



**FA-157 FREE AREA IN SQ. FT.**

(Blades in full open position - 90 degrees)

Louver Height Inches	Width - Inches									Louver Height Inches
	12	18	24	30	36	42	48	54	60	
12	0.34	0.55	0.76	0.97	1.18	1.39	1.60	1.81	2.02	12
18	0.66	1.06	1.47	1.88	2.28	2.69	3.09	3.50	3.90	18
24	1.05	1.69	2.33	2.98	3.62	4.27	4.91	5.55	6.20	24
30	1.42	2.29	3.16	4.03	4.90	5.78	6.65	7.52	8.39	30
36	1.67	2.69	3.72	4.75	5.77	6.80	7.83	8.85	9.88	36
42	2.12	3.43	4.73	6.04	7.34	8.65	9.95	11.26	12.57	42
48	2.43	3.92	5.41	6.90	8.40	9.89	11.38	12.88	14.37	48
54	2.83	4.57	6.30	8.04	9.78	11.52	13.26	15.00	16.74	54
60	3.18	5.13	7.09	9.04	11.00	12.95	14.91	16.87	18.82	60
66	3.27	5.29	7.30	9.32	11.33	13.35	15.36	17.38	19.39	66
72	3.90	6.30	8.70	11.10	13.50	15.91	18.31	20.71	23.11	72
78	4.16	6.72	9.28	11.84	14.40	16.96	19.52	22.08	24.64	78
84	4.61	7.44	10.28	13.11	15.94	18.78	21.61	24.45	27.28	84
90	4.94	7.98	11.02	14.06	17.10	20.14	23.18	26.22	29.26	90
96	5.31	8.58	11.85	15.12	18.38	21.65	24.92	28.19	31.46	96
102	5.68	9.18	12.67	16.17	19.67	23.16	26.66	30.16	33.65	102
108	5.95	9.61	13.27	16.93	20.59	24.25	27.91	31.57	35.23	108
114	6.39	10.32	14.25	18.18	22.11	26.04	29.97	33.90	37.83	114
120	6.70	10.83	14.95	19.08	23.21	27.33	31.46	35.58	39.71	120

**FA-157 FREE AREA IN SQ. FT.**

(Blades in 45 degrees open position)

Louver Height Inches	Width - Inches									Louver Height Inches
	12	18	24	30	36	42	48	54	60	
12	0.24	0.39	0.53	0.68	0.83	0.97	1.12	1.27	1.41	12
18	0.45	0.73	1.01	1.29	1.57	1.85	2.13	2.40	2.68	18
24	0.63	1.02	1.42	1.81	2.20	2.59	2.98	3.37	3.76	24
30	0.90	1.46	2.01	2.57	3.12	3.68	4.23	4.79	5.34	30
36	1.05	1.70	2.34	2.99	3.64	4.28	4.93	5.58	6.22	36
42	1.30	2.10	2.90	3.69	4.49	5.29	6.09	6.89	7.69	42
48	1.50	2.42	3.35	4.27	5.19	6.11	7.04	7.96	8.88	48
54	1.69	2.74	3.78	4.82	5.86	6.91	7.95	8.99	10.03	54
60	1.94	3.14	4.33	5.53	6.72	7.92	9.12	10.31	11.51	60
66	1.94	3.13	4.32	5.51	6.70	7.89	9.09	10.28	11.47	66
72	2.36	3.81	5.26	6.71	8.16	9.61	11.06	12.51	13.96	72
78	2.51	4.06	5.61	7.15	8.70	10.25	11.79	13.34	14.89	78
84	2.75	4.45	6.14	7.84	9.53	11.23	12.92	14.62	16.31	84
90	2.99	4.82	6.66	8.50	10.33	12.17	14.01	15.84	17.68	90
96	3.15	5.09	7.03	8.96	10.90	12.84	14.78	16.72	18.66	96
102	3.42	5.52	7.62	9.73	11.83	13.93	16.04	18.14	20.24	102
108	3.58	5.78	7.99	10.19	12.40	14.60	16.80	19.01	21.21	108
114	3.81	6.16	8.51	10.85	13.20	15.55	17.89	20.24	22.59	114
120	4.03	6.51	8.99	11.46	13.94	16.42	18.90	21.38	23.86	120

NOTE: 45 degree free area chart not certified by AMCA

## FA-157 Specifications

Furnish and install louver as hereinafter specified where shown on plans or as described in schedules. Louver shall be stationary type with horizontal rain resistant style blades positioned on approximately 4.64" centers within 6" deep frame. Louver frame and blade materials to be .081" thick 6063-T5 extruded aluminum. Sections up to max of 60" w x 120"h shall withstand wind loading of 20 lbs/sq. ft. (100 mph wind equivalent). Consult factory for welded construction and higher wind speeds. Louver shall have a minimum free area of 11.38 sq. ft. when full open, based on the standard 48"w x 48"h test specimen. Louver shall have a maximum static pressure drop of 0.11" (Intake) & 0.12" (exhaust) water gage based on 1000 FPM free area velocity.